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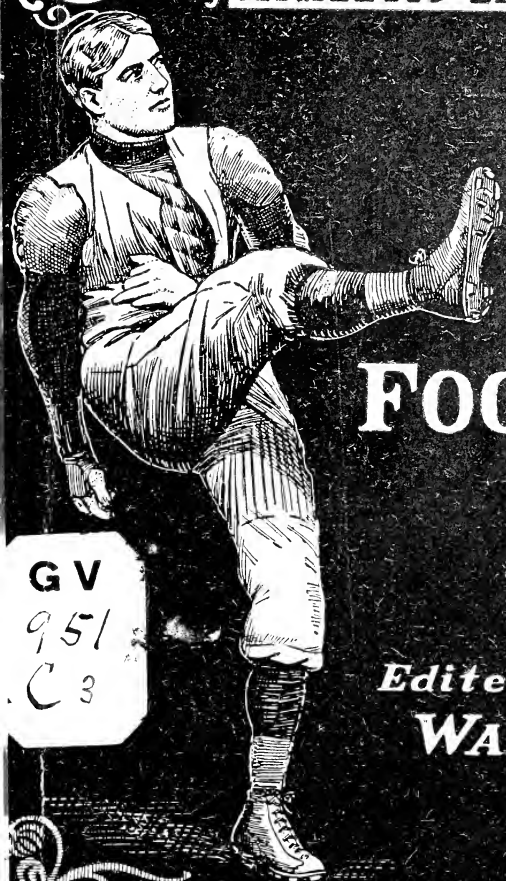


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## HOW TO PLAY FOOT BALL

1910

*Edited by*  
**WALTER CAMP**

AMERICAN SPORTS PUBLISHING CO.  
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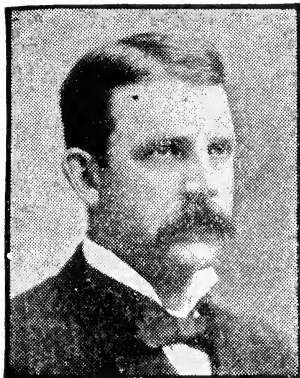
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# Spalding's Athletic Library



A. G. SPALDING

Anticipating the present tendency of the American people toward a healthful method of living and enjoyment, Spalding's Athletic Library was established in 1892 for the purpose of encouraging athletics in every form, not only by publishing the official rules and records pertaining to the various pastimes, but also by instructing, until to-day Spalding's Athletic Library is unique in its own particular field and has been conceded the greatest educational series on athletic and physical training subjects that has ever been compiled.

The publication of a distinct series of books devoted to athletic sports and pastimes and designed to occupy the premier place in America in its class was an early idea of Mr. A. G. Spalding, who was one of the first in America to publish a handbook devoted to athletic sports, Spalding's Official Base Ball Guide being the initial

number, which was followed at intervals with other handbooks on the sports prominent in the '70s.

Spalding's Athletic Library has had the advice and counsel of Mr. A. G. Spalding in all of its undertakings, and particularly in all books devoted to the national game. This applies especially to Spalding's Official Base Ball Guide and Spalding's Official Base Ball Record, both of which receive the personal attention of Mr. A. G. Spalding, owing to his early connection with the game as the leading pitcher of the champion Boston and Chicago teams of 1872-76. His interest does not stop, however, with matters pertaining to base ball; there is not a sport that Mr. Spalding does not make it his business to become familiar with, and that the Library will always maintain its premier place, with Mr. Spalding's able counsel at hand, goes without saying.

The entire series since the issue of the first number has been under the direct personal supervision of Mr. James E. Sullivan, President of the American Sports Publishing Company, and the total series of consecutive numbers reach an aggregate of considerably over three hundred, included in which are many "annuals," that really constitute the history of their particular sport in America year by year, back copies of which are even now eagerly sought for, constituting as they do the really first authentic records of events and official rules that have ever been consecutively compiled.

When Spalding's Athletic Library was founded, seventeen years ago, track and field athletics were practically unknown outside the larger colleges and a few athletic clubs in the leading cities, which gave occasional meets, when an entry list of 250 competitors was a subject of comment; golf was known only by a comparatively few persons; lawn tennis had some vogue and base ball was practically the only established field

## EDITORS OF SPALDING'S ATHLETIC LIBRARY

sport, and that in a professional way; basket ball had just been invented; athletics for the schoolboy—and schoolgirl—were almost unknown, and an advocate of class contests in athletics in the schools could not get a hearing. To-day we find the greatest body of athletes in the world is the Public Schools Athletic League of Greater New York, which has had an entry list at its annual games of over two thousand, and in whose "elementary series" in base ball last year 106 schools competed for the trophy emblematic of the championship.

While Spalding's Athletic Library cannot claim that the rapid growth of athletics in this country is due to it solely, the fact cannot be denied that the books have had a great deal to do with its encouragement, by printing the official rules and instructions for playing the various games at a nominal price, within the reach of everyone, with the sole object that its series might be complete and the one place where a person could look with absolute certainty for the particular book in which he might be interested.

In selecting the editors and writers for the various books, the leading authority in his particular line has been obtained, with the result that no collection of books on athletic subjects can compare with Spalding's Athletic Library for the prominence of the various authors and their ability to present their subjects in a thorough and practical manner.

A short sketch of a few of those who have edited some of the leading numbers of Spalding's Athletic Library is given herewith:

### JAMES E. SULLIVAN



President American Sports Publishing Company; entered the publishing house of Frank Leslie in 1878, and has been connected continuously with the publishing business since then and also as athletic editor of various New York papers; was a competing athlete; one of the organizers of the Amateur Athletic Union of the United States; has been actively on its board of governors since its organization until the present time, and President for two successive terms; has attended every champion-

ship meeting in America since 1879 and has officiated in some capacity in connection with American amateur championships track and field games for nearly twenty-five years; assistant American director Olympic Games, Paris, 1900; director Pan-American Exposition athletic department, 1901; chief department physical culture Louisiana Purchase Exposition, St. Louis, 1904; secretary American Committee Olympic Games, at Athens, 1906; honorary director of Athletics at Jamestown Exposition, 1907; secretary American Committee Olympic Games, at London, 1908; member of the Pastime A. C., New York; honorary member Missouri A. C., St. Louis; honorary member Olympic A. C., San Francisco; ex-president Pastime A. C., New Jersey A. C., Knickerbocker A. C.; president Metropolitan Association of the A. A. U. for fifteen years; president Outdoor Recreation League; with Dr. Luther H. Gulick organized the Public Schools Athletic League of New York, and is now chairman of its games committee and member executive committee; was a pioneer in playground work and one of the organizers of the Outdoor Recreation League of New York; appointed by President Roosevelt as special commissioner to the Olympic Games at Athens, 1906, and decorated by King George I. of the Hellenes (Greece) for his services in connection with the Olympic Games; appointed special commissioner by President Roosevelt to the Olympic Games at London, 1908; appointed by Mayor McClellan, 1908, as member of the Board of Education of Greater New York.

## WALTER CAMP



For quarter of a century Mr. Walter Camp of Yale has occupied a leading position in college athletics. It is immaterial what organization is suggested for college athletics, or for the betterment of conditions, insofar as college athletics is concerned. Mr. Camp has always played an important part in its conferences, and the great interest in and high plane of college sport to-day, are undoubtedly due more to Mr. Camp than to any other individual. Mr. Camp has probably written more on college athletics than any other writer and the leading papers and magazines of America are always anxious to secure his expert opinion on foot ball, track and field athletics, base ball and rowing. Mr. Camp has grown up with Yale athletics and is a part of Yale's remarkable athletic system. While he has been designated as the "Father of Foot Ball," it is a well known fact that during his college career Mr. Camp was regarded as one of the best players that ever represented Yale on the base ball field, so when we hear of Walter Camp as a foot ball expert we must also remember his remarkable knowledge of the game of base ball, of which he is a great admirer. Mr. Camp has edited Spalding's Official Foot Ball Guide since it was first published, and also the Spalding Athletic Library book on How to Play Foot Ball. There is certainly no man in American college life better qualified to write for Spalding's Athletic Library than Mr. Camp.

## DR. LUTHER HALSEY GULICK



The leading exponent of physical training in America; one who has worked hard to impress the value of physical training in the schools; when physical training was combined with education at the St. Louis Exposition in 1904 Dr. Gulick played an important part in that congress; he received several awards for his good work and had many honors conferred upon him; he is the author of a great many books on the subject; it was Dr. Gulick, who, acting on the suggestion of James E. Sullivan, organized the Public Schools Athletic League of Greater New York, and was its first Secretary; Dr. Gulick was also for several years Director of Physical Training in the public schools of Greater New York, resigning the position to assume the Presidency of the Playground Association of America. Dr. Gulick is an authority on all subjects pertaining to physical training and the study of the child.

## JOHN B. FOSTER



Successor to the late Henry Chadwick ("Father of Base Ball") as editor of Spalding's Official Base Ball Guide; sporting editor of the New York Evening Telegram; has been in the newspaper business for many years and is recognized throughout America as a leading writer on the national game; a staunch supporter of organized base ball, his pen has always been used for the betterment of the game.

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### **TIM MURNANE**

Base Ball editor of the Boston Globe and President of the New England League of Base Ball Clubs; one of the best known base ball men of the country; known from coast to coast; is a keen follower of the game and prominent in all its councils; nearly half a century ago was one of America's foremost players; knows the game thoroughly and writes from the point of view both of player and an official.



### **HARRY PHILIP BURCHELL**

Sporting editor of the New York Times; graduate of the University of Pennsylvania; editor of Spalding's Official Lawn Tennis Annual; is an authority on the game; follows the movements of the players minutely and understands not only tennis but all other subjects that can be classed as athletics; no one is better qualified to edit this book than Mr. Burchell.



### **GEORGE T. HEPBRON**

Former Young Men's Christian Association director; for many years an official of the Athletic League of Young Men's Christian Associations of North America; was connected with Dr. Luther H. Gulick in Young Men's Christian Association work for over twelve years; became identified with basket ball when it was in its infancy and has followed it since, being recognized as the leading exponent of the official rules; succeeded Dr. Gulick as editor of the Official Basket Ball Guide and also editor of the Spalding Athletic Library book on How to Play Basket Ball.



### **JAMES S. MITCHEL**

Former champion weight thrower; holder of numerous records, and is the winner of more championships than any other individual in the history of sport; Mr. Mitchel is a close student of athletics and well qualified to write upon any topic connected with athletic sport; has been for years on the staff of the New York Sun.

### **MICHAEL C. MURPHY**



University of Pennsylvania and Detroit Athletic Club; his most recent triumph was that of training the famous American team of athletes that swept the field at the Olympic Games of 1908 at London.

The world's most famous athletic trainer; the champion athletes that he has developed for track and field sports, foot ball and base ball fields, would run into thousands; he became famous when at Yale University and has been particularly successful in developing what might be termed championship teams; his rare good judgment has placed him in an enviable position in the athletic world; now with the University of Pennsylvania; during his career has trained only at two colleges and one athletic club, Yale and the

### **DR. C. WARD CRAMPTON**



Succeeded Dr. Gulick as director of physical training in the schools of Greater New York; as secretary of the Public Schools Athletic League is at the head of the most remarkable organization of its kind in the world; is a practical athlete and gymnast himself, and has been for years connected with the physical training system in the schools of Greater New York, having had charge of the High School of Commerce.

### **DR. GEORGE J. FISHER**



Has been connected with Y. M. C. A. work for many years as physical director at Cincinnati and Brooklyn, where he made such a high reputation as organizer that he was chosen to succeed Dr. Luther H. Gulick as Secretary of the Athletic League of Y. M. C. A.'s of North America, when the latter resigned to take charge of the physical training in the Public Schools of Greater New York,

### **DR. GEORGE ORTON**



On athletics, college athletics, particularly, track and field, foot ball, soccer foot ball, and training of the youth, it would be hard to find one better qualified than Dr. Orton; has had the necessary athletic experience and the ability to impart that experience intelligently to the youth of the land; for years was the American, British and Canadian champion runner.

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### **FREDERICK R. TOOMBS**

A well known authority on skating, rowing, boxing, racquets, and other athletic sports; was sporting editor of American Press Association, New York; dramatic editor; is a lawyer and has served several terms as a member of Assembly of the Legislature of the State of New York; has written several novels and historical works.



### **R. L. WELCH**

A resident of Chicago; the popularity of indoor base ball is chiefly due to his efforts; a player himself of no mean ability; a first-class organizer; he has followed the game of indoor base ball from its inception.



### **DR. HENRY S. ANDERSON**

Has been connected with Yale University for years and is a recognized authority on gymnastics; is admitted to be one of the leading authorities in America on gymnastic subjects; is the author of many books on physical training.



### **CHARLES M. DANIELS**

Just the man to write an authoritative book on swimming; the fastest swimmer the world has ever known; member New York Athletic Club swimming team and an Olympic champion at Athens in 1906 and London, 1908. In his book on Swimming, Champion Daniels describes just the methods one must use to become an expert swimmer.



### **GUSTAVE BOJUS**

Mr. Bojus is most thoroughly qualified to write intelligently on all subjects pertaining to gymnastics and athletics; in his day one of America's most famous amateur athletes; has competed successfully in gymnastics and many other sports for the New York Turn Verein; for twenty years he has been prominent in teaching gymnastics and athletics; was responsible for the famous gymnastic championship teams of Columbia University; now with the Jersey City high schools.



### **CHARLES JACOBUS**

Admitted to be the "Father of Roque;" one of America's most expert players, winning the Olympic Championship at St. Louis in 1904; an ardent supporter of the game and follows it minutely, and much of the success of roque is due to his untiring efforts; certainly there is no one better qualified to write on this subject than Mr. Jacobus.



### **DR. E. B. WARMAN**

Well known as a physical training expert; was probably one of the first to enter the field and is the author of many books on the subject; lectures extensively each year all over the country.



### **W. J. CROMIE**

Now with the University of Pennsylvania; was formerly a Y. M. C. A. physical director; a keen student of all gymnastic matters; the author of many books on subjects pertaining to physical training.



### **G. M. MARTIN**

By profession a physical director of the Young Men's Christian Association; a close student of all things gymnastic, and games for the classes in the gymnasium or clubs.



### **PROF. SENAC**

A leader in the fencing world; has maintained a fencing school in New York for years and developed a great many champions; understands the science of fencing thoroughly and the benefits to be derived therefrom.

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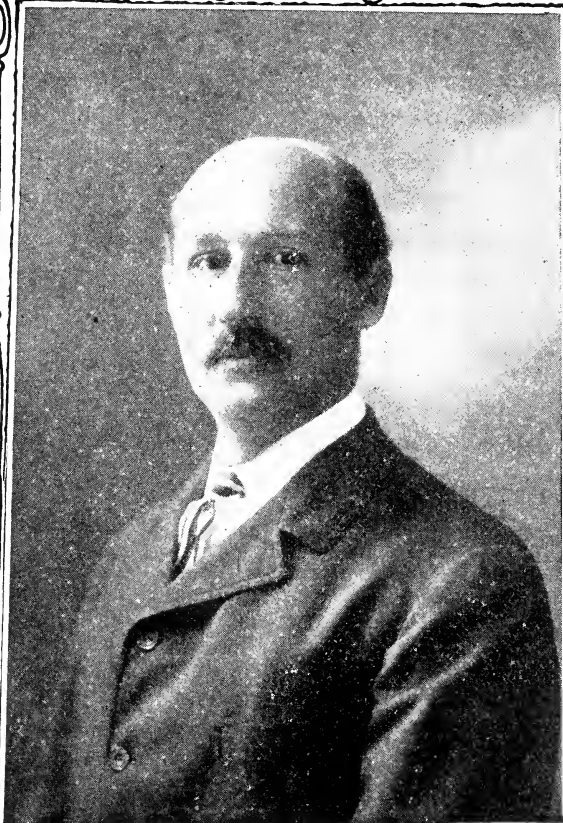
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Group II No. 324

# SPALDING'S HOW TO PLAY FOOT BALL

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A Primer on the Modern College Game  
With Tactics Brought Down to Date

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EDITED BY  
WALTER CAMP

New Edition — Revised for 1910

Published by the  
AMERICAN SPORTS PUBLISHING COMPANY  
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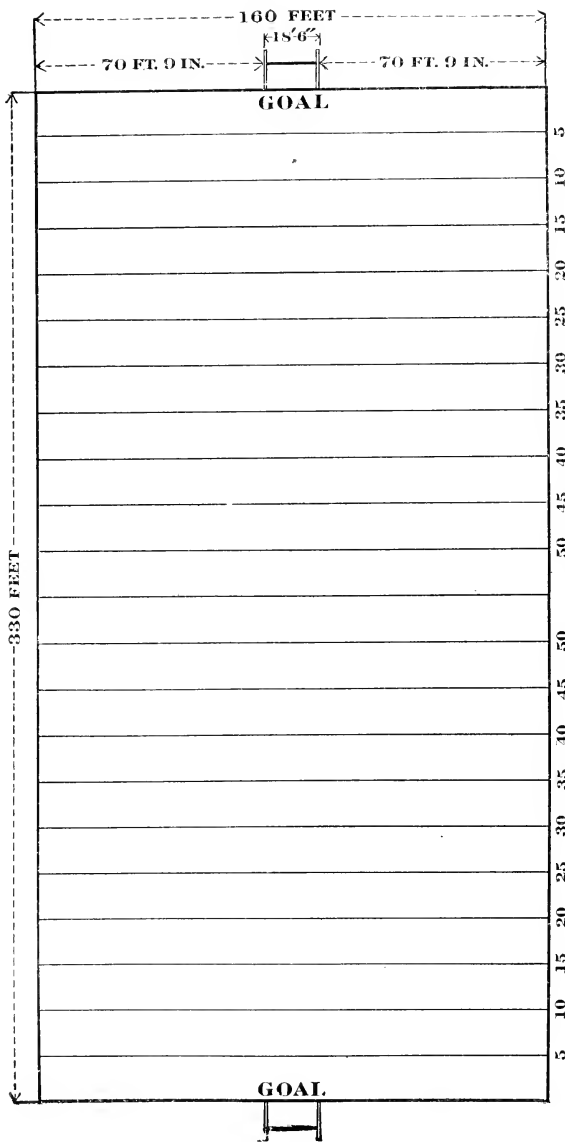


DIAGRAM OF FIELD.

The foot ball rules formerly provided that when the ball was put in play in a scrimmage, the first man who received the ball, commonly known as the quarter-back, might carry it forward beyond the line of scrimmage, provided in so doing he crossed such line at least 5 yards from the point where the snapper-back put the ball in play, and furthermore, that a forward pass might be made provided the ball passed over the line of scrimmage at least 5 yards from the point at which the ball is put in play. The rules now no longer place this 5 yard restriction upon either play, hence the longitudinal lines are omitted as unnecessary. The field is marked off at intervals of 5 yards with white lines parallel to the goal line, for convenience in penalizing fouls and for measuring the 10 yards to be gained in three downs. Thus the foot ball field comes back to the gridiron appearance as in 1902.



# All-America Foot Ball Team

A REVIEW OF THE SEASON'S PLAY AND THE PLAYERS

BY

WALTER CAMP

(From Collier's Weekly. Copyright, 1909, by P. F. Collier & Son.)

## First Eleven

*End*—Regnier, Brown  
*Tackle*—Fish, Harvard  
*Guard*—Benbrook, Michigan  
*Center*—Cooney, Yale  
*Guard*—Andrus, Yale  
*Tackle*—Hobbs, Yale  
*End*—Kilpatrick, Yale  
*Quarter*—McGovern, Minn.  
*Half*—Philbin, Yale  
*Half*—Minot, Harvard  
*Full*—Coy, Yale

## Second Eleven

Bankhart, Dartmouth  
 Lilley, Yale  
 Goebel, Yale  
 P. Withington, Harvard  
 Tobin, Dartmouth  
 McKay, Harvard  
 Braddock, Pennsylvania  
 Howe, Yale  
 Allerdice, Michigan  
 Magidsohn, Michigan  
 Marks, Dartmouth

## Third Eleven

Page, Chicago  
 Siegling, Princeton  
 L. Withington, Harvard  
 Farnum, Minnesota  
 Fisher, Harvard  
 Casey, Michigan  
 McCaffrey, Fordham  
 Sprackling, Brown  
 Corbett, Harvard  
 Miller, Notre Dame  
 McCaa, Lafayette

There never was a season that surpassed the one just finished in furnishing food for reflection on the general characteristics of play. To the casual observer, the one point especially noted was that there was a manifest tendency to return somewhat to mass plays. Especially was this true of heavy interference against the tackle position. Another point on the surface was the appearance of rather more skill in the execution of the forward pass, both by the passer and the man receiving the pass. Outside of this the only promising point of general observation was considerably greater precision in placing kicks and the rather better handling of the kicks by those receiving them.

When one comes to



Regnier (Brown),  
End

look below the surface, there has never been a season where development was so persistently sought along every possible line of attack and defense. The entire art of kicking was advanced several stages. There were many backs on many teams who could consistently kick spiral kicks, end-over-end kicks, floating kicks, and all the variety that tend to make the position of the man in the back field disagreeable. Drop-kickers were extremely numerous, notwithstanding the fact that only a few were heralded as remarkable. The average of accuracy in this respect was very markedly advanced. Kicks from placement suffered somewhat before the drop-kicking. Just why it is difficult to tell, but prob-

ably owing to the greater number of possible fakes from the drop-kick formation. The catching of punts improved throughout the country in spite of the more difficult kicking it was called upon to face. On-side kicking in all its varied phases, from the run out to one side and a low kick diagonally across the field, down to short lob kicks over the line, was developed to the great worryment of the defensive back field. Moreover, punters varied the length and the height of their kicks with a considerable measure of skill.

Yet with all this it was probably along the line of relative proportion that coaches, captains, and players made their greatest advance. For the first time since the introduction of the forward pass and on-side kick a really definite idea of the boomerang character of these plays, when they did not come off successfully, was grasped. Some teams paid the penalty, having their opponents make unexpected touchdowns. Others had their eyes opened early enough by surprising gains of the opponents, so that they were able to measure more correctly their chances, and, therefore, did not really lose games by their temerity. Every one gained much respect for those vagaries of the oval piece

of leather which it was likely to display when it struck the ground after a kick. Backs would watch the ball coming down about to strike the ground before they could reach it, and before the

season was half over they realized that that ball might at its own sweet will bound two or three feet over their heads, take a sudden shoot straight at their feet, bound at right angles to one side or the other, or finally so catch on its end as to bound diagonally backward a half-dozen feet in a contrary direction from which it had started. The only really sound conclusion the back field reached about the bounding ball was that the mind of man could not tell what it would do. The men learned, therefore, wherever it was possible, even at a dangerous pace, to endeavor to secure the ball on the fly. It may have been this that improved the general catching of punts.

Teams which had their forward passes across the end of the line unexpectedly intercepted once or twice by opponents, who ran anywhere from twenty yards to a touchdown, began to take more forethought and to plan, in case a play of this kind was made, to protect it from this untoward disaster.

The general theory of defense to open and close play was somewhat better worked out, although not in any entirely satisfactory man-



**Fish (Harvard),  
Tackle**



**Benbrook (Michigan),  
Guard**

ner. Some centers played in the line and some back of it. Some teams overbalanced their protection for open play, and consequently suffered at the hands of teams which were strong on running plays directed at the tackle position. Some teams shot their ends in on defense and some held them out.

In the West a greater variety of formations drove that section of the country along the line of more specialized defense almost to the verge of overdoing it and slowing up their charge. Wing-shift attacks were so numerous that the defense was forced to consider this line of play with greater care, and it was pretty generally found that swinging a man over from one side of the line to meet the other man was not as rapid or as efficacious as to shift the whole line a notch or two to meet such variation.

The East was more conservative in this matter than the West, and preserved a more active and forceful charge on that account.

Along with this development in the play has come as great a number of stars in the back field as any season has ever produced. Some of these stars have been unfortunate in meeting with injuries which, although not serious in the

sense of leaving any permanent mark, have put the men out for this particular season. Minnesota suffered seriously in this way in the temporary loss of McGovern and Johnson. Chicago was obliged to take a star end, Page, and make a quarter-back of him because of inefficiency in that position caused by the graduation of Steffens. Notre Dame developed in Miller a half-back of unusual promise. Minot of Harvard and Coy of Yale, as well as Marks of Dartmouth, were three full-backs of wonderful physique, speed, and ability. Such remarkable speed, power, and dodging ability combined as shown by Philbin of Yale has probably never been equaled, at any rate never surpassed. And these are only a few. The richness consisted in the great number of first-class men.

The same is hardly true in the matter of ends, although Kilpatrick of Yale brought up the standard. Of centers there were a less number of men who stood out conspicuously, but tackle and guard material was far above last year, and probably, all things considered, stronger than that of any other season, although no one or two individuals towered quite so far above the rank and file as did men like Heffelfinger and Hare.

Quarter-backs of prominence were far less in number, but whether that was due to any lack of good ordinary men, or whether the fact that the game has so much greater variety of play possible as to make it a superhuman task for any man to complete the possibilities of the play, is a question.



Cooney (Yale),  
Center



Andrus (Yale),  
Guard

That question will hardly be answered until we have seen two or three seasons of these complicated maneuvers and find some quarter able to get all the possibilities out of his team with machine-like precision.

In the general standard of sportsmanship, I am convinced that there has been not only a steadily-growing improvement, but the season of 1909 has seen it more emphasized than for a number of years. I do not know that I can instance a more enlightening proof of this than an incident which occurred in a game played in the Middle West between Chicago and Northwestern. A return kick struck the ground, and a Chicago player secured the ball and ran over for a touchdown. Neither official nor players seemed to see that a mistake had been made, and the ball was being brought out for a try-at-goal. Now, it is a fact that by the rules a kicked ball striking the ground puts on-side the players of the eleven which first kicked the ball from behind the scrimmage, but if that kick be returned and the ball then strikes the ground, it does not put on-side the players of the team which returns the kick. At this point in the game there had been no score by either side, so that this touchdown

Chicago. But the Chicago coach, Mr. Stagg, saying, "I can not stand for this," stepped out and notified the official of the error in the interpretation of the rules, and the ball was called back.

But the improvement in sportsmanship is also spreading among the players and the crowds. Mind, I do not think for a moment that the millennium has come, or that it will come either in our day and generation or for a long time in the future. I know there are players still who let their vicious temper get the better of them. There are players who slang each other in an attempt to produce temper, but the really dirty player is now the exception, and he is not over well liked even by his own side.

The work of the officials has also improved, although there are still not enough first-class men to cover all the games. The demand for good men has increased, and there is less of a desire toward unfairness indicated in negotiations for officials. Institutions no longer play one official against the other by having one side choose the umpire and the other the referee, expecting each to be a partisan, and then shifting them over at intermission. But the best point of all is the way the officials have



Hobbs (Yale),  
Tackle



Kilpatrick (Yale),  
End

realized their responsibilities, and have recognized the fact that they stand for an official board whose desire is to keep the game clean and free from objectionable features. The officials have, therefore, assumed control of the games as never before, and while there was one unfortunate occurrence (I refer to that in Philadelphia at the time of the Indian-Pennsylvania game), it was due to one of the Indian players entirely losing his head, and it only went to show the temper of officials when Mr. Edwards, who was acting as umpire and was assaulted, kept entire possession of himself and saw to the removal of the objectionable parties and the proper continuance of the game.

The coaching has not proceeded through much change, that is, so far as methods are concerned. The number of coaches at the largest universities was somewhat lessened, and in one or two instances quite notably, narrowing down the variety of opinions and making the organization more easy to direct. The most marked improvement in the coaching was the return in the early part of the season to first principles, such as tackling

and falling on the ball, and this early work made a distinct betterment in the performance of these parts later in the season.

Now, as to the question of injuries, the sadness caused among the players and lovers of the game by the accident at West Point, followed later by one in the South, has been most widespread and general, and there is no disposition among those who care for the game to minimize this feature. There have been many times in the past when such unfair charges have been brought against the game as to cause a feeling of antagonism among those who knew the injustice of the charges, but in similar cases this year the majority of comment has been fair and tempered, and all those interested have appreciated this. There has been and will be much discussion as to what the reason is for these two misfortunes this season, at a time when for two or three years the game had seemed to improve so much in this respect. It is hardly the time for advancing ill-considered or hasty judgments, but it is eminently a matter for the most careful study and consideration of all the features that led up to these accidents. Both came, in a general way, through mass play. But the other injury which was serious, that occurring at Annapolis early in the season, was in an attempted open field tackle. There is little doubt that, if this accident at Annapolis had not been followed by



McGovern (Minnesota),  
Quarter-back



Philbin (Yale),  
Half-back

the two later fatalities, it would have been regarded by all as a chance—a thing that was so unlikely to occur with that kind of result as to be regarded like some startling and wholly unexpected accident in any one of the many sports of the year.

The play in the East during the season of 1909 was characterized by the return to first and cardinal principles—tackling, falling on the ball, and helping the runner—which had almost been lost sight of in the hurry to learn new forms of attack. The previous two years were taken up systematically again, especially at Harvard and Yale, and the result was that these two made steady and commanding progress throughout the season, every game being a little better than the game before, until at the end the cleverness and sharpness of the detail of the game was well marked. It was patient, painstaking, and consistent drilling, and its results were manifest when comparison commenced to be made later in the season.

As to the style of play, as already indicated in the preceding paragraph, team play was the point aimed at, and when this was combined with great weight in the back field, it

began to be evident that mass plays well-nigh abandoned, were creeping to the front again. After three years of experimenting, it was found absolutely essential to take the former supporting half-back away from behind the tackle in order to protect against forward passes. In the first year the end had been used, and in the second year the end and the half-back working more or less together, and finally it became recognized that as skill in executing these passes increased, and possibility of the opponents getting more than one man through in a position to take them, the defense must provide better to protect against them, and it did so by pulling the backs further back. Many teams, notably Harvard, came eventually to that heavy mass play once more on tackle, for the tackle now was left far less supported against that form of play than in the old days previous to the alterations in the rules. No team had perfected it better, as was shown in the West Point, Dartmouth, and Yale games.

The handwriting on the wall on the 1st of November, 1909, showed what was likely to happen during that month, and it certainly went far to bear out the theory that no matter what the style of play is the team that begins gradually and works up along the line of the fundamentals, like tackling and falling on the ball, will in the long run be able to adapt itself more satisfactorily, even to complicated situations, than the team



Minot (Harvard),  
Half-back



Coy (Yale),  
Full-back

which begins at the very end and has to come back to work on the fundamentals toward the latter part of the season.

Yale and Harvard showed in their first November game the same consistent improvement. Yale perhaps a shade the better, defeating Brown 23 to 0, and Harvard beating Cornell 18 to 0. Princeton played a tie with Dartmouth, 6 to 6; Pennsylvania, a tie with Lafayette, the same score, 6 to 6; Carlisle barely nosing out a victory against George Washington, 9 to 5; Annapolis a tie game with Washington and Jefferson, neither side able to score; Syracuse a rather poor game with Tufts, 9 to 0 in favor of Syracuse, and Michigan actually going down to defeat at the hands of Notre Dame, 11 to 3. But these experiences brought some measure of reform and a few of the teams at least profited.

Michigan was the most noteworthy of these. In the Notre Dame game her tackling had been poor, distinctly inferior, and while the week before she had run up, with forward passes and the like, a big score against Syracuse, she was brought soundly to earth once more. Here she found that Notre Dame played a simple game, but one in which every tackle was made right, every man charged upon the defense, every man started quickly, and every man got in every play, and that simple game of Notre Dame's was good enough to beat the carelessness of Michigan. Right down to hard facts came Yost and his team, and never was there a better record of getting a lesson and profiting by it. The next week Michigan showed the very same tactics against Pennsylvania that Notre Dame had shown against Michigan, and Michigan defeated Pennsylvania, 12 to 6, and then went up to Minnesota and cleaned up the Conference champions with exactly the same tactics, the final score being 15 to 6.

There never was a season more especially destined to lead up to the highest pitch of interest. Gradually Yale and Harvard forged ahead of the field. Step by step their fighting organizations were built up. Harvard had won over Yale by the barest margin of a field goal in New Haven in 1908, and it was Yale's turn to journey up to the Harvard stadium for the contest this year. The Harvard team looked to be at least twenty to twenty-five per cent. better than last year's team, and Yale's, while the personnel was practically the same, looked likewise much better. When the two teams met on November 20, 1909, it is probably safe to say there were never two better matched organizations nor a game in which so much interest was concentrated. One of the newspapers on the next day compared Harvard to a very powerful man with a broadsword, and Yale to the cleverest of fencers with a rapier. At any rate, Harvard, with an attack which gained between two and three yards to Yale's one, was never within Yale's twenty-five-yard line and only twice within possible scoring distance. Yale, on the other hand, kept Harvard on the defensive, and was thrusting at the Harvard goal from the time the game was two minutes old until the end. Coy took no less than seven chances at the Harvard goal and put two kicks over, while one of Harvard's kicks was blocked, and Kilpatrick, the Yale end, all but secured a touchdown. Harvard was obliged to make a safety. Thus the score, 8 to 0, won for Yale the championship of the season of 1909.

Some three or four years ago, as the writer said at the time, Western foot ball had advanced in the attack at least close to the standards of the older East. Then came a period when the better foot ball education of the preparatory schools of the East told in favor of that section, and as this was the time when Michigan, having been prominent in Western foot ball, took on contests with Pennsylvania, there was a great deal of cry about the opportunity for a test. Now, unfortunately, this happened at a time when Western foot ball was falling off. It was necessary for the Western teams to take on the new

rules, and the greater number of feeders in the East was against them. Michigan suffered two close defeats at the hands of Pennsylvania, and then last year an overwhelming one, besides being obliged to play Syracuse when in a weakened condition from the Pennsylvania game, and thus meeting still another humiliating drubbing.

The Indians raised havoc too for a year or two with Western aspirations. A year ago Chicago took on Cornell after defeating Minnesota as well as Wisconsin decisively, and only succeeded in playing a tie game, while Cornell was equally defeated by one or two Eastern teams. Then the East dropped into somnolence once more regarding the quality of Western foot ball. But this year there is a different story. The East must notice the fact that Michigan defeated and outplayed Pennsylvania, and that Michigan is by no means the only one of quality in the Middle West. Notre Dame defeated these particular Michigan men the week before by a score of 11 to 3. Marquette played Michigan a tie, and Minnesota, even without the services of Johnson, her star player, defeated Chicago and later still accounted for Wisconsin, but was finally defeated in a desperate game by Michigan.

The situation in Middle Western foot ball is peculiar. The old days of Chicago-Michigan matches are no more. Before the Michigan-Notre Dame contest, and just after the tremendous victory of Michigan over Syracuse, there was much anticipatory figuring as to Michigan having one of her old-time teams and coming to the front by defeating everything in sight. But those rosy forecasts were dashed rudely into worse than nothing when Longman, an old pupil of Yost's, came to Ann Arbor with his Notre Dame team, numbering among its members a certain half-back of auburn locks named Miller, who ran rings around Michigan's left end, with the result that apparently Notre Dame walked off with all Michigan's aspirations for Western championship honors by defeating the Michigan team 11 to 3, crossing the Ann Arbor line twice for well-earned touchdowns. It was a cruel blow indeed, but for all that it may result in good to Western foot ball interests; as also it did, incidentally, so result to Michigan herself. A team that can afford to take on a trip to Philadelphia and then up to Minneapolis and do itself justice at both places is surely a good one. When such a trip comes after the heart has been taken out of the work by a defeat that apparently means the loss of Western prestige, it is hard on players, students, and alumni, and naturally brings up reflections as to whether such a game is worth the candle. Yet Michigan accomplished it, defeating both Pennsylvania and Minnesota, the Conference champion.

Now it should be remembered that Minnesota had been accredited with by all odds the best team in the Middle West. All the teams that faced the Gophers, as they were called, came away with the most remarkable respect for Minnesota's attack. It was without any doubt the most varied attack in the country, East and West included. It had shift plays, forward passes, good line-plunging assault, and all kinds of variations. This attack put up against the ordinary Western defense, which, as I have already said, is specialized, simply walked away with Chicago and defeated Wisconsin decisively. Minnesota had won the Western Conference championship, and there was a prevailing opinion that Minnesota's game was altogether too strong for any of the Western teams and a confidence that she would defeat many of the Eastern ones.

Such was the condition when the Michigan team, which had already had the long trip from Ann Arbor to Philadelphia and back to Ann Arbor, started for Minneapolis. Such traveling would generally take it out of any team and be quite a factor in the result. Now what happened? The very thing that had paralyzed Michigan's varied



offense when she, two weeks before, had faced Notre Dame now paralyzed Minnesota's defense. If a charging, ripping, jumping line comes through into your back field there is not a great deal of time to do tricks. More than that, when a man jumps right up and intercepts a forward pass, when he ought to be comatose or running backward or doing something else, it is demoralizing. The same things which had made Yost look sad and miserable when his team faced Notre Dame caused him to grin and Williams to look glum when Michigan turned them around against Minnesota.

And Western experience is confirmed a good deal by Eastern experience in this respect, for, at any rate, the records show that forward passes and on-side kicks, though far better developed than ever before, have not been very effective. They have driven the defense back away from tackle so that the tackle is more vulnerable and is pounded a great deal more, but they have not proved successful engines of attack in big games. Possibly they might do so if they were sufficiently perfected, but when they have failed they have been boomerangs.

In spite of the fact that Minnesota had a varied and powerful offense this year. Middle Western foot ball has not been really up to its old standard of interest since the day that Chicago defeated Michigan on Marshall Field 2 to 0. In these later days there is speed and variety of attack, but no sounder basic principles of play than could be found there then. The fundamentals of the game were then taught perhaps more thoroughly. All was not sacrificed to a few complicated maneuvers on the attack, but defense was studied. However, the West is not alone in being a bit carried off its feet with the possibilities of attack to the detriment of the defense. It is difficult to avoid this, and only the sounder advice of older players has kept many a team in the East from shipwreck on this rock. Michigan suddenly learned this in the Notre Dame game and wisely profited. Minnesota had no such opportunity of finding out that she had been playing against weak defense until Michigan showed her, and then it was too late to do anything but submit to humiliating defeat.

There is not the faintest shadow of doubt that the Western organizations can exhibit to-day a far more varied form of attack than anything displayed in the East. The shift plays and special formations are almost without number, and the drill of the teams in signal practice is so constant and well carried out that they perform these maneuvers with remarkable rapidity, and from this very feature they offer a greater scope of forward passing than any of the Eastern teams.

And this brings us to the question of how great a percentage of these plays of theirs is likely to be successful.

To approximate a satisfactory answer to this, one must turn at once to the defense. And here, as defense is not so rapidly built up and far more a product of certain schools than attack, it is only natural that the West does not offer as strong and rugged an opposition as does the East. Perhaps no better description can be given than to say that the Western defense presupposes either a knowledge of the attack it is to meet, or endeavors too religiously to diagnose that attack before plunging in. It is like a pitcher at the bat thinking too much of the possible curves. Eastern defense is not so specialized, but goes in on the cardinal principle that a line, given the freedom of using its hands and arms, can push back or overcharge a line which is bound not to use its hands or arms. Hence the defense should always be able to fight its way into the opposing territory and then look. Every foot ball coach and player is familiar with the fact that complicated plays behind the line depend upon the forwards of the side on the attack holding up the opponents at least momentarily. The Easterners give their lines on the defense less to think about, but more action. Notre Dame had in its game against Michigan more of

this quick, ripping charge, and hence hurried Michigan's plays behind the line. Benbrook on the Michigan team had something of this style, and charged more aggressively and followed the ball more sharply than his mates. Later Casey at tackle developed it. Michigan had been able to charge the Syracuse line on defense and hold it long enough on Michigan's own attack to get the plays off, and that made just the difference between the victory over Syracuse and the defeat by Notre Dame, with a fair measure of credit going to Miller, the Notre Dame half-back, for his brilliant individual running. Yet it is only fair to appreciate that Miller's work on attack could not account for Michigan's weakness in the same department, for no one man, and that a back-line man, can play all the defense. Thus Michigan profited tremendously by this lesson. She took a leaf out of Notre Dame's book and went her one better, too. She lessened the complications of her own attack and made her defense an active, lunging, aggressive feature. The great Northwest is developing a grade of foot ball that is already high-class, and the interest in the game in that section is growing steadily. No wonder their standards are approaching the best when they have been able to secure such excellent coaches.

In this section they have developed formation and spread plays, and have not been behind in working out the forward pass and on-side kick. They have many stars, but probably the most noted this season is Borleske of Whitman, and in Clarke Oregon has a punter who will be watched with interest anywhere.

Their plays have shown the same tendency as has the game all over the country—to develop a hard attack on tackle, and this section will feel an equal interest in what is to be done to check the increasing tendency toward mass plays.

Down in the Virginia and North Carolina section the accident to Christian of Virginia put an end to the contests before the schedules were played out. But this South Atlantic section developed some good games and excellent teams, as well as good individual players. The University of North Carolina won five games, losing once to the Virginia Polytechnic Institute. The game between North Carolina and Virginia was not played. Probably the most noted player of this section was Hodgson of Virginia Polytechnic, a most active and aggressive guard. Eliot of Virginia was a capable end. Von Glahn of North Carolina and Osborne of Washington and Lee of North Carolina were capable back field men.

In the warmer South, Alabama, Georgia, and Texas have had some excellent foot ball and most interesting contests. The Thanksgiving Day games resulted: Georgia Technic 29, Clemson 3; Southwestern University of Texas 18, Tulane 0; Auburn 17, Georgia 5; Alabama 6, Louisiana State University 2. At Austin, Agricultural and Mechanical 5, Texas 0.

The final contest between Sewanee and Vanderbilt, owing to the greater experience of Sewanee, proved a victory for them, and they won a much satisfying contest; while out in the Missouri Valley section, the game has progressed with great interest, the plays being better developed than ever before and the attack having more continuity. At Kansas City in the final game, Missouri defeated Kansas, thus winning the Missouri Valley championship.

Of ends, Kilpatrick of Yale is admittedly the best on the gridiron, a type of power, speed, and judgment. Next to him is Regnier of Brown, who slightly betters Bankhart of Dartmouth, while Braddock of Pennsylvania is no mean player, possessing strength and excellent tackling ability, besides being powerful in boxing tackle. McCaffrey of Fordham is another good one, as Fordham's opponents will bear witness. Page of Chicago is the best in the West, although forced to play in another position this season.

At tackle the position is similar to that of end in respect to first

team, Fish and Hobbs surpassing their competitors to the satisfaction of all. Lilley might have been crowding either one with his greater brilliancy had he not been injured in the first play of his final game. Up to that time he was very much in the running. McKay of Harvard beats out Siegling of Princeton and Casey of Michigan by greater activity and steadiness.

At guard, Andrus of Yale, like Kilpatrick, stands at the top, but only those who saw the giant Michigan guard, already heralded as another Heffelfinger of the West, appreciate that Andrus's margin is a very small one. Benbrook is even larger than Andrus, a smothering player, who has also the quickness of the panther, and dives for his man as does Andrus. Goebel of Yale and Tobin of Dartmouth, both All-America men of last year, played fully up to their standard, but were just shaded out by these two, while Fisher and Withington, both of Harvard, were on their heels.

At center, Cooney of Yale by his exceptional quickness defeated P. Withington of Harvard, his nearest competitor, both were more powerful than Farnum of Minnesota, but the latter is steady as a rock, a great defensive player, and has a cleaner pass than either.

At quarter, McGovern of Minnesota is the best man in the country. Being a Westerner, he is not as well known to the East, but some idea of his quality may be gathered from the fact that he handled a machine of far greater variety of play than any Eastern quarter, and made it work for him, too, while his individual work in forward passing, running in a broken up-field, and catching punts, was quite up to that of Tad Jones, and in addition he kicked three drop-kick goals in one of his championship games. Howe of Yale and Sprackling of Brown fought out the second place, Howe just winning through his masterly work in his most important game, that against Harvard, where his generalship was capital and his diagnosing and his covering of on-side kicks a great factor. Vorhes of Penn State pushes them closely.

Behind the line, Coy of Yale and Minot of Harvard have no peers, the former as the best all-round kicking full-back of his time, or in fact of any time, and the latter as a plunger and defensive player. But they need to supplement them a man with a burst of speed and dodging ability and at the same time a certain catcher in the back-field and with power enough to tackle and down a man of any weight. These qualities are exceptionally difficult to find grouped in any one man, but in Philbin they are as if made to order. He never failed in any game to get in at least one run that transferred the play from mid-field and put his team in position to score; he muffed but one punt in a season of kicking and he never missed his man. This trio then completes the back-field of the first eleven. As second full-back stands Marks of Dartmouth, only beaten out by such stars as Coy and Minot, while McCaa of Lafayette, an old reliable, fills the position on the third against any contenders.

Of half-backs, Allerdice of Michigan and Magidsohn, his comrade, have only a shade the better of Miller of Notre Dame, Corbett of Harvard, and Murphy of Yale. Allerdice beats Miller and Corbett because he is a wonderful kicker in addition to his other qualities, while Magidsohn, more like them as a half-back, works a trifle better with his interference and has a broader grasp of plays. Miller is as good a runner in the simple formation plays as there was on the gridiron this season and a fighter every minute on attack and defense. Corbett is a powerful runner with plenty of speed, but more readily tackled in a clean field than Miller, while Magidsohn handles a pass to perfection.

On the first team Coy would do the kicking, while on the second Allerdice would attend to that department, and on the third McCaa.

## ALL-AMERICA TEAMS FROM 1889 TO 1909

1889

Cumnock, Harvard.  
 Cowan, Princeton.  
 Cranston, Harvard.  
 George, Princeton.  
 Heffelfinger, Yale.  
 Gill, Yale.  
 Stagg, Yale.  
 Poe, Princeton.  
 Lee, Harvard.  
 Channing, Princeton.  
 Ames, Princeton.

1890

Hallowell, Harvard.  
 Newell, Harvard.  
 Riggs, Princeton.  
 Cranston, Harvard.  
 Heffelfinger, Yale.  
 Rhodes, Yale.  
 Warren, Princeton.  
 Dean, Harvard.  
 Corbett, Harvard.  
 McClung, Yale.  
 Homans, Princeton.

1891

Hinkey, Yale.  
 Winter, Yale.  
 Heffelfinger, Yale.  
 Adams, Pennsylvania.  
 Riggs, Princeton.  
 Newell, Harvard.  
 Hartwell, Yale.  
 King, Princeton.  
 Lake, Harvard.  
 McClung, Yale.  
 Homans, Princeton.

1892

Hinkey, Yale.  
 Wallis, Yale.  
 Waters, Harvard.  
 Lewis, Harvard.  
 Wheeler, Princeton.  
 Newell, Harvard.  
 Hallowell, Harvard.  
 McCormick, Yale.  
 Brewer, Harvard.  
 King, Princeton.  
 Thayer, Pennsylvania.

1893

Hinkey, Yale.  
 Lea, Princeton.  
 Wheeler, Princeton.  
 Lewis, Harvard.  
 Hickok, Yale.  
 Newell, Harvard.  
 Trenchard, Princeton.  
 King, Princeton.  
 Brewer, Harvard.  
 Morse, Princeton.  
 Butterworth, Yale.

1894

Hinkey, Yale.  
 Waters, Harvard.  
 Wheeler, Princeton.  
 Stillman, Yale.  
 Hickok, Yale.  
 Lea, Princeton.  
 Gelbert, Pennsylvania.  
 Adee, Yale.  
 Kuipe, Pennsylvania.  
 Brooke, Pennsylvania.  
 Butterworth, Yale.

1895

Cabot, Harvard.  
 Lea, Princeton.  
 Wharton, Pennsylvania.  
 Bull, Pennsylvania.  
 Riggs, Princeton.  
 Murphy, Yale.  
 Gelbert, Pennsylvania.  
 Wyckoff, Cornell.  
 Thorne, Yale.  
 Brewer, Harvard.  
 Brooke, Pennsylvania.

1896

Cabot, Harvard.  
 Church, Princeton.  
 Wharton, Pennsylvania.  
 Gailley, Princeton.  
 Woodruff, Pennsylvania.  
 Murphy, Yale.  
 Gelbert, Pennsylvania.  
 Fincke, Yale.  
 Wrightington, Harvard.  
 Kelly, Princeton.  
 Baird, Princeton.

1897

Cochran, Princeton.  
 Chamberlain, Yale.  
 Hare, Pennsylvania.  
 Doucette, Harvard.  
 Brown, Yale.  
 Outland, Pennsylvania.  
 Hall, Yale.  
 DeSaullles, Yale.  
 Dibblee, Harvard.  
 Kelly, Princeton.  
 Minds, Pennsylvania.

1898

Palmer, Princeton.  
 Hillebrand, Princeton.  
 Hare, Pennsylvania.  
 Overfield, Pennsylvania.  
 Brown, Yale.  
 Chamberlain, Yale.  
 Hallowell, Harvard.  
 Daly, Harvard.  
 Outland, Pennsylvania.  
 Dibblee, Harvard.  
 Hirschberger, Chicago.

1899

Campbell, Harvard.  
 Hillebrand, Princeton.  
 Hare, Pennsylvania.  
 Overfield, Pennsylvania.  
 Brown, Yale.  
 Stillman, Yale.  
 Poe, Princeton.  
 Daly, Harvard.  
 Seneca, Indians.  
 McCracken, Pennsylvania.  
 McBride, Yale.

1900

Campbell, Harvard.  
 Bloomer, Yale.  
 Bloor, Yale.  
 Olcott, Yale.  
 Hare, Pennsylvania.  
 Stillman, Yale.  
 Hallowell, Harvard.  
 Fincke, Yale.  
 Chadwick, Yale.  
 Morley, Columbia.  
 Hale, Yale.

## 1901

Campbell, Harvard.  
Catts, Harvard.  
Warner, Cornell.  
Holt, Yale.  
Lee, Harvard.  
Bunker, West Point.  
Davis, Princeton.  
Daly, West Point.  
Kernan, Harvard.  
Weekes, Columbia.  
Graydon, Harvard.

## 1902

Shevlin, Yale.  
Hogan, Yale.  
DeWitt, Princeton.  
Holt, Yale.  
Glass, Yale.  
Kinney, Yale.  
Bowditch, Harvard.  
Rockwell, Yale.  
Chadwick, Yale.  
Bunker, West Point.  
Graydon, Harvard.

## 1903.

Henry, Princeton.  
Hogan, Yale.  
DeWitt, Princeton.  
Hooper, Dartmouth.  
A. Marshall, Harvard.  
Knowlton, Harvard.  
Rafferty, Yale.  
Johnson, Carlisle.  
Heston, Michigan.  
Kafer, Princeton.  
Smith, Columbia.

## 1904

Shevlin, Yale.  
Cooney, Princeton.  
Piekarski, Pennsylvania.  
Tipton, West Point.  
Kinney, Yale.  
Hogan, Yale.  
Eckersall, Chicago.  
Stevenson, Pennsylvania.  
Hurley, Harvard.  
Heston, Michigan.  
Smith, Pennsylvania.

## 1905

Shevlin, Yale.  
Lamson, Pennsylvania.  
Tripp, Yale.  
Torrey, Pennsylvania.  
Burr, Harvard.  
Squires, Harvard.  
Glaze, Dartmouth.  
Eckersall, Chicago.  
Roome, Yale.  
Hubbard, Amherst.  
McCormick, Princeton.

## 1906

Forbes, Yale.  
Biglow, Yale.  
Burr, Harvard.  
Dunn, Penn State.  
Thompson, Cornell.  
Cooney, Princeton.  
Wister, Princeton.  
Eckersall, Chicago.  
Mayhew, Brown.  
Knox, Yale.  
Veeder, Yale.

## 1907.

Dague, Annapolis.  
Draper, Pennsylvania.  
Ziegler, Pennsylvania.  
Schulz, Michigan.  
Erwin, West Point.  
Biglow, Yale.  
Alcott, Yale.  
Jones, Yale.  
Wendell, Harvard.  
Harlan, Princeton.  
McCormick, Princeton.

## 1908

Scarlett, Pennsylvania.  
Fish, Harvard.  
Goebel, Yale.  
Nourse, Harvard.  
Tobin, Dartmouth.  
Horr, Syracuse.  
Schildmiller, Dartmouth.  
Steffen, Chicago.  
Tilbott, Princeton.  
Hollenbach, Pennsylvania.  
Coy, Yale.

## 1909

Regnier, Brown.  
Fish, Harvard.  
Benbrook, Michigan.  
Cooney, Yale.  
Andrus, Yale.  
Hobbs, Yale.  
Kilpatrick, Yale.  
McGovern, Minnesota.  
Philbin, Yale.  
Minot, Harvard.  
Coy, Yale.

## Alterations in Rules for 1910

Composition of the Rules Committee underwent but one alteration in 1910, and that was the substitution of C. W. Savage of Oberlin for W. S. Langford of Trinity.

The changes in the rules for 1910 must be carefully noted by officials, coaches, captains and players in order that they may fully understand what is expected.

Taking the rules up in order, the first change noted is in the diagram of the field, the longitudinal lines now being omitted, because, as the quarter-back may cross the line of scrimmage at any point, and as the forward pass may be thrown over the line at any point, these longitudinal markings are no longer necessary. Hence, Rule I., Section 2, now simply reads that the field shall be marked off at intervals of five yards with white lines parallel to the goal lines.

The next rule affected is that regarding substitution. A rule has been passed that a player who has been removed for any cause except disqualification or suspension may be returned to the game once at the beginning of any subsequent period.

The game is divided into four periods of fifteen minutes each, sixty minutes in all, with the usual intermission between the second and third periods, but a three-minute intermission only between the first and second and third and fourth periods. During this short intermission of three minutes, no player is allowed to leave the field of play, nor any representative come on the field, except one who looks after the physical condition of the players. At the beginning of the second and fourth periods, the teams change goals, but the possession of the ball, the down, the relative spot of the down, and the distance to be gained all remain the same as at the termination of the preceding period. The teams do not change goals after a try-at-goal following a touchdown, or after a goal from the field, but the side scored upon then has the option of kicking off, or having their opponents kick off.

Crawling has been defined as an attempt to advance the ball by the runner after the ball is declared dead, and is penalized. Seven players of the side holding the ball must be on the line of scrimmage. The player who first receives the ball when it is snapped back may carry it across the line of scrimmage at any point.

The legislation regarding a forward pass should be read over repeatedly by officials, coaches, captains and players in order that it may be thoroughly mastered. First, the lines to be observed should be thoroughly borne in mind. There are two lines of scrimmage, one for each side as formerly, the line passing through

the end of the ball. A man to be on the line of scrimmage must be within one foot of this line, but a player to be eligible to receive a forward pass must be at least one yard back of his own line of scrimmage, and no one may receive a forward pass who is not thus one yard back, or occupies the position on the end of the line of scrimmage. There is another imaginary line in addition to this one-yard line, and that is five yards back of the line of scrimmage. No man may make a forward pass, nor may he kick the ball unless he is behind this imaginary five-yard line. Between this line and his scrimmage line he is allowed to neither kick nor make a forward pass. There is still another imaginary line, and that is on the other side of the scrimmage, the defensive. This is a line twenty yards back from the defensive line of scrimmage, and within the space bounded by the scrimmage line and the twenty-yard line. There are here certain restrictions relative to obstruction of opponents which will be found in Rule XVIII. Furthermore, if a forward pass is even touched or fumbled by a player, still no players on the other side may interfere with the opponent until the ball is actually in possession of the player except in an attempt to get at the ball. The players may, however, interfere with opponents who have not crossed their own line of scrimmage. A forward pass is not legal if it goes more than twenty yards beyond the line of scrimmage, but an on-side kick does not become an on-side kick, that is, does not put men on-side when touching the ground, unless it goes at least twenty yards beyond the line of scrimmage. In the case of a kick, the players on the defense within the twenty-yard zone must not interfere with the ends, or other players, in any way until these opponents have advanced twenty yards beyond the line of scrimmage. After they have advanced this twenty yards, then the side on the defense may use their hands or arms to push them out of the way, in order to get at the ball, or use their arms close to their bodies, in order to obstruct an opponent from coming at the player carrying it.

Interlocked interference, that is, players of the side having the ball taking hold of each other, or using their hands or arms to grasp their team-mates in any way, is forbidden, and it is also forbidden for any man on the side having possession of the ball to push or pull in any way the man running with the ball.

Finally, a player when tackling an opponent must have one foot at least on the ground.

## The Rules of 1910

There is one thing that every coach and captain must make up his mind to recognize at the start under the rules of 1910; that is, that all assistance to the runner except that which precedes him has been cut off under these rules. In other words, the runner with the ball must strike, or plunge, or circle with no one to push him forward when he meets opposition, or seize and drag him along when he begins to find the going choked up in front of him, or catch and whirl him round a tackle and into the clear when he finds an opposing end immovable in his pathway. Now, this revolutionizes much of the running game as practiced by many teams, and it means hard work, not alone in planning and devising new plays adapted to these conditions, but also in teaching players to forget something that has been drilled into them ever since they first went on the gridiron; namely, helping each other.

The new game means distinctly "hands off," and the lot of the captain and coach promises to be indeed hard for the first few weeks at least as they try to instill this principle. These two should proceed to work as early in September as possible to lay out a plan of campaign, the first steps of which will be altering the ordinary play in such a way as to have all the interference precede the runner, or on quick breaks have all the interference, except the men who make the sharp opening, out of the runner's way. Having thus laid out the general scheme of play, as soon as the men come back for early fall practice, they should be drilled in running with the main idea of teaching them to keep their hands off each other and to slip by rather than to push any team mate.

Any efforts to develop kickers will be especially rewarded, for it will be an advantage to have as many as possible distance kickers and men who can place the ball with fair accuracy on a punt.

A competent coach should be handling these kickers all the time, and should see that they are kept up to work, performing their duties properly, and yet do not get too tired so that the muscles of the leg will be affected. Every one of these men should be made to kick at a mark, not indefinitely, but at the goal posts, or some other available mark, so that each one will learn to place the ball with fair accuracy.

Another feature of great importance will be the catching. As everyone knows, a dropped ball in foot ball is likely to have disastrous results to the side whose man makes the blunder, and under the Rules of 1910 these disastrous results will, if



anything, be magnified. This comes from the fact that with the limitations on the offense in the way of pushing and pulling that part of the game will be weakened, and hence one of the easiest ways to secure a touchdown will be to have the opponent muff the ball.

With the restriction taken off the quarter-back or the man who first receives the ball when snapped back, it is permissible for him to run across the line of scrimmage at any point. This may mean one of two things—that all the backs are made into quarter backs, or that no quarter backs are played, each man receiving the ball direct from the center and running with it. Here, again, the effect of habit will probably cause many teams to keep on in the regular old-fashioned way, but there will be enough who will try innovations to make matters interesting. Even under the old rules, four men in line in the back field, without any quarter-back, was tried by many teams, although never thoroughly perfected. A greater premium will be put on the accuracy of the center in passing the ball, especially on teams where he throws it almost invariably direct to the runner. It is well for the team to practice both methods, that is, the old-fashioned way of the quarter-back up behind the center, and the new method with all four men in the back field. Probably the most fancied of all will be the kick formation, although this takes one man out of the interference. The formation, however, will serve as a basis from which to make any one of three plays, a run, a kick, or a forward pass; for this kick formation places the full-back more than five yards back of the line of scrimmage, a point that is required of a forward passer as well as the kicker this season.

Now, as to the variety of play, certainly for most teams with the changes in formation as above outlined, the practice will begin very much as of old, the greatest attempt being made in the first two or three weeks in quick plunges and runs around the end, double passes and trick plays. The object of this practice for the first week at least will be to persuade the men, if possible, from pushing and pulling the runner, and if that be accomplished even in ten days it will be a considerable triumph for the coach. The next step will be the trying out of forward passes and coaching the players on both sides to avoid interference, and perhaps it will be well in this connection to have one or two officials serving, so that some idea may be obtained of what the rulings are likely to be. With the complicated conditions prevailing under the rule for protection of forward passing it will be a difficult thing to teach officials and players how to act, and it seems almost beyond hope to have all the points noted. However, a week or two of practice and the first games will show

something about this and what rulings are likely to be made. As to the on-side kick, the rule providing that such kick must go at least 20 yards beyond the line of scrimmage has effectually put a stop to the little toss-kick going over the heads of the rush line, and bothering the back-field men by forcing them to come in on a run into the crowd. How much use the on-side kick under the new rules will be it is difficult to say, but undoubtedly the restrictions placed upon it will be pleasing to those who wish to see it eliminated altogether. It probably will cease to be a play of skill and become one principally of luck.

It will take a few weeks to indicate whether lighter men may be used to advantage in the rush line and in the backfield. One thing is certain, however, and that is that speed will be quite a requisite, and activity combined with "head" will be at a premium. Perhaps we shall find that former players are so wedded to the old "push and pull" style that this element cannot be eradicated, and new players will have to come in to fill up the ranks. At any rate, the captain and coach may be sure of one thing, and that is that it will pay them to get as many men of all kinds and types out as possible, and experiment with them, before they decide upon what kind of a game, or what material they are going to depend upon.

## Interpreting the Rules

On no point is centered greater attention and upon no issue hangs the real success of foot ball more decidedly than upon that of the interpretation of the Rules.

There are no sports where rules are not necessary, and the keener the interest the more important are the rules. But it is also true, as has been discovered even by Englishmen in their most staid of sports, the game of golf, that rules are subject to misunderstanding and must perforce occasionally require interpretation. In our constantly changing rules of foot ball, then, such interpretation is even more essential, and the efforts along this line in the last three years have done very nearly as much through conscientious officials to clear up some of the evils that menaced the game as have the changes in the rules themselves.

As stated elsewhere in this little volume, any difficulties that may arise when coming from a question of interpretation can usually be satisfactorily cleared up by addressing an inquiry to the publishers of SPALDING'S OFFICIAL FOOT BALL GUIDE, the American Sports Publishing Company, 21 Warren Street, New York. There are, however, several points that may be collected into a chapter of this nature that may serve to save discussion and friction.

It should be remembered and noted by players and officials that the lines marking the boundaries of the field are practically *outside* the playing surface. That is, the goal is "in goal" and the side line is "in touch" or out of bounds. Hence, a ball placed on the goal line is "in goal," and a ball or a man's foot touching the side lines is out of bounds. It is therefore important that all these lines should be carefully and accurately marked.

The rules further say that the official shall not, in measuring the distance gained, "rotate the ball." This means that the position of the ball when declared dead is that from which the measurement shall be taken. But when that measurement has been taken and the number of the down and distance to be gained declared, the ball must be placed upon the ground for the next scrimmage with its long axis parallel to the side lines once more. In these cases of measurement the officials should assist each other, and as soon as it becomes necessary for a measurement to be taken, one official should hold the ball in exactly the position it occupied when declared dead, while the others attend to the measurement. This is of the greatest importance, as upon such a decision often depends the possession of the ball and perhaps even the chance of a touchdown. It is well to provide a cord with two steel skewers, as this can be very easily used in taking

these important measurements. And in speaking of officials, it should be noted that the Rules Committee strongly advises the entire quota.

After measurements on the field the next most important point likely to arise is that connected with fair catches. Officials should note that a man must raise his hand very distinctly up above his head in making the signal for a fair catch. Just putting the arm and hand up a little way will not be—and should not be—regarded as a signal. The object is to insure the protection of the man making the signal, and hence it should be so unmistakable as to leave no room for doubt. A man may make the signal at any time before he catches the ball, but if he waits so long as to rush his time for extending his arm and getting it back in position again in time to make the catch, he should bear in mind that he runs a very considerable risk of not getting his arm and hand up high enough to have the official regard it as a valid signal. Another point to be especially noted is that any man of the side receiving the kick who is in such a position that it is possible for him unmolested to reach the spot where the ball is falling before it strikes the ground, is, by the rules, given the right of way and may not be interfered with or balked by any one of the kicker's side who is off side, even though it may seem unlikely for him to make the catch. In other words, it should be considered that the catcher's side are the ones who of necessity must have their eyes on the ball, and those of the kicker's side, who are running down the field, must actually keep out of the way of any man who has an opportunity of making the catch. If a man, for instance, while not actually running into a man who was coming across or up the field to catch a ball, should stop and so stand as to be in the pathway of the man who was trying to make the catch and should thus check him, he would be guilty of interference with the fair catch.

Touchdowns, and the difference between a touchback and a safety, have at times given rise to discussion, although of late the distinction has been made quite clear. If a player with the ball in his possession carries it so that it is across the goal line, or he is brought down so that any part of the ball touches or is directly over the goal line, it is a touchdown. A safety touchdown is made in one's own goal by touching the ball down after it has been kicked past or carried across the goal line by an impetus coming from the defending side. Whatever the force that sent it across, if that force came from the attacking side, it is a touchback, only no matter whether the ball has been touched by the defenders in its progress or not. If, however, a defender stops

the ball just outside and checks it, and then in fumbling it manages unfortunately to carry or knock it across his own goal line and then touches it down, it would be a safety.

These are the more important points likely to come up, but officials particularly, and players desirably, should study the rules carefully in order to perfect themselves and avoid any possibility of friction.

The greatest amount of care will be necessary on the part of the officials in interpreting the rules so that the teams will clearly understand what they may and may not do. Particularly is this the case under forward passing and kicking, for the rights of both sides must be carefully conserved or this promises to be a season of chaos.

## **An Introductory Chapter for Beginners**

BY WALTER CAMP.

Those who are taking up the sport for the first time should observe certain rules which will enable them to become adept players with less mistakes than perhaps would otherwise fall to their lot.

A beginner in foot ball should do two things: He should read the rules, and he should, if possible, watch the practice. If the latter be impossible, he and his men must, after having read the rules, start in and, with eleven on a side, play according to their own interpretation of these rules. When differences of opinion arise as to the meaning of any rule, a letter addressed to the publishers of Spalding's Official Foot Ball Guide—the American Sports Publishing Company, 21 Warren Street, New York—will always elicit a ready and satisfactory answer.

The first thing to be done in starting the practice is to provide the accessories of the game, which, in foot ball, are of the simplest kind. The field should be marked out with ordinary lime lines, enclosing a space of 330 feet long and 160 feet wide. While not absolutely necessary, it is customary to mark the field also with transverse lines every five yards, for the benefit of the referee in determining how far the ball is advanced at every down. In the middle of the lines forming the ends of the field, the goal posts are erected, and should be eighteen feet six inches apart, with cross-bar ten feet from the ground. The posts should project several feet above the cross bar. The ball used is an oval leather cover containing a rubber inner, which is inflated by means of a small air pump or the lungs. The ball used by the principal teams is the Official Intercollegiate Foot Ball, No. J5, adopted by the Intercollegiate Association, and made by A. G. Spalding & Bros.

The costumes of the players form another very important feature and should be of a proper and serviceable nature. Canvas makes most serviceable jackets for the players, as do also jerseys reinforced with leather. These can be purchased at a small expense from any athletic outfitter. The canvas jacket should fit closely, but not too tightly, and lace up in front, so that it may be drawn quite snugly. Some have elastic pieces set in at the sides, back of the arms, but these additions are by no means necessary. Jerseys, with leather patches on elbows and shoulders, are also worn.

The trousers should be of some stout material, fustian for example, and well padded. This padding can be done by any seamstress, quilting in soft material over knees and thighs, or the regular athletic outfitters furnish trousers provided with the

padding. Long woolen stockings are worn, and not infrequently shin guards by men playing in the forward line.

The most important feature of the entire uniform is the shoe. This may be the ordinary canvas and leather base ball shoe with leather cross-pieces nailed across the sole to prevent slipping. Such is the most inexpensive form, but the best shoes are made entirely of leather, of moderately stout material, fitting the foot firmly, yet comfortably, lacing well up on the ankles, and the soles provided with a small leather spike, which can be renewed when worn down. Inside this shoe, and either attached to the bottom of it or not, as preferred, a thin leather anklet laces tightly over the foot, and is an almost sure preventive of sprained ankles.

Head gears are made to protect the runner and must not be composed of sole leather, papier mache, or any other hard, unyielding substance that might injure another player. (A complete list of a foot ball player's requirements will be found in a subsequent chapter in this book.)

Underneath the canvas jacket any woolen underwear may be put on, most players wearing knit jerseys. As mentioned above, there are several players who can, to advantage, go without the regulation canvas jacket and wear a jersey in its place. These are especially the quarter-back, the center-rush or snap-back. Of recent years backs and linemen tend more than ever to the adoption of the leather-reinforced jersey.

The team of eleven men is usually divided into seven rushers or forwards, who stand in a line facing their seven opponents; a quarter-back, who stands just behind this line; two half-backs, a few yards behind the quarter-back; and finally, a full-back or goal tend, who stands at kicking distance behind the half-backs. This gives the general formation, but is, of course, dependent upon the plays to be executed.

Before commencing practice, a man should be chosen to act as referee, umpire and linesman, for in practice games it is hardly necessary to have more than one official. The two sides then toss up, and the one winning the toss has choice of goal or kick-off. If there be a wind, the winner will naturally and wisely take the goal from which that wind is blowing and allow his opponent to have the ball. If there be no advantage in the goals he may choose the kick-off, and his opponents in that case take whichever goal they like. The two teams then line up; the holders of the ball placing it upon the exact center of the field, and the opponents being obliged to stand back in their own territory at least ten yards, until the ball has been touched with the foot. Some man of the side having the kick-off must then kick the ball at least ten yards into the opponents' territory. Preferably, there-

fore, he will send it just short of the goal line or as far as he can, and still have his forwards reach the spot in season to prevent too great headway being acquired by the opponents' interference, but he will not kick it across the side line. The opponents then catch it and return it by a kick, or they run with it. If one of them runs with it he may be tackled by the opponents. He may not, however, be tackled below the knees, save by the five middle men of the forward line. As soon as the ball is fairly held; that is, both player and ball brought to a standstill, or the runner with the ball touches the ground with any part of his person, except his hands or feet, while in the grasp of an opponent, the referee blows his whistle and the runner has the ball "down," and someone upon his side, usually the man called the snap-back or center-rush, must place the ball on the ground at that spot for a "scrimmage," as it is termed. The ball is then put in play again, placing it flat on the ground with its long axis parallel to the side line (while the men of each team keep on their own side of the ball, under the penalty of a foul for off-side play, a line parallel to the goal line and passing through the end of the ball nearest the side's own goal line determining the position of the players of each side) by the snap-back's kicking the ball or snapping it back, either with his foot, or more commonly with his hands, to a player of his own side just behind him, who is called the quarter-back. The ball is in play, and both sides may press forward as soon as the ball is put in motion by the snap-back. Naturally, however, as the quarter-back usually passes it still further behind him to a half-back, or back, to kick or run with, it is the opposing side which is most anxious to push forward, while the side having the ball endeavor by all lawful means to retard that advance until their runner or kicker has had time to execute his play. It is this antagonism of desire on the part of both sides that has given rise to the special legislation regarding the use of the hands, body and arms of the contestants—and beginners must carefully note the distinction. As soon as the snap-back has sent the ball behind him, he has really placed all the men in his own line off-side; that is, between the ball and the opponents' goal, and they, therefore, can theoretically, occupy only the position in which they stand, while the opponents have the legal right to run past them as quickly as possible. For this reason, and bearing in mind that the men "on side" have the best claim to right of way, it has been enacted that the side having possession of the ball may not use their hands or arms, but only their bodies, when thus off-side, to obstruct or interrupt their adversaries, while the side running through in the endeavor to stop the runner, or secure possession of the ball, may use their hands and arms to make passage for themselves.



Nor may the side in possession of the ball form any locked interference by taking hold of each other, nor may they in any way push or pull their own man who is running with the ball. The game thus progresses in a series of downs, followed by runs or kicks, as the case may be, the only limitation being that of a rule designed to prevent one side continuously keeping possession of the ball without any material advance or retreat, which would be manifestly unfair to the opponents. This rule provides that in three "downs" or attempts to advance the ball, a side not having made ten yards toward the opponents' goal must surrender possession of the ball. As a matter of fact, it is seldom that a team actually surrenders the ball in this way, because, after two attempts, if the prospects of completing the ten-yards gain appear small, it is so manifestly politic to kick the ball as far as possible down the field, that such a method is more likely to be adopted than to make a last attempt by a run and give the enemy possession almost on the spot. In such an exigency, if a kick be made, the rules provide that it must be such a kick as to give the opponents fair and equal chance to gain possession of the ball and must go beyond the line of scrimmage unless stopped by an opponent. A player may also, under certain restrictions, carefully stated in the rules, make what is known as a forward pass, that is, throw the ball forward to another player of his own side. In case of either a kick or a forward pass, the player making the kick or pass must be at least 5 yards back of the line of scrimmage when doing this. Still again, there is an exception to rules of "on-side" in that a ball kicked from behind the line of scrimmage when it strikes the ground puts the players of the kicker's side "on-side" even though at the time of the kick they were ahead of the ball, provided the ball has gone at least 20 yards beyond the line of scrimmage. There is one other element entering into this progress of the game, and that is the fair catch. This may be made from a kick by the opponents, provided the catcher indicates his intention by raising his hand in the air, takes the ball on the fly, and no other of his own side touches it. This entitles him to a free kick; that is, his opponents may not come within ten yards of the spot where he made the catch, while he (and his side) may retire such distance toward his own goal as he sees fit, and then make a punt or a drop, or give the ball to some one of his own side to place the ball for a place kick. Here again, as at kick-off, when taking the free kick, he must make an actual kick of at least ten yards, unless the ball is stopped by the opponents. His own men must be behind the ball when he kicks it, or be adjudged off-side.

Whenever the ball goes across the side boundary line of the field, it is said to go "into touch," or out of bounds, and it must

be at once brought back to the point where it crossed the line, and then put in play by some member of the side which carried it out, or first secured possession of it after it went out. The method of putting it in play is to take it to the spot where it crossed the line and then carry it at right angles into the field at least five and not more than fifteen yards, and make an ordinary scrimmage of it, the same as after a down. The player who intends walking with it must, before stepping into the field, declare how many paces he will walk in, in order that the opponents may know where the ball will be put in play. We will suppose that the ball by a succession of these plays, runs, kicks, forward pass, downs, fair catches, etc., has advanced toward one or the other of the goals, until it is within kicking distance of the goal posts. The question will now arise in the mind of the captain of the attacking side as to whether his best plan of operation will be to try a drop-kick at the goal, or to continue the running attempts, in the hope of carrying the ball across the goal line, for this latter play will count his side a touchdown, and entitle them to a try-at-goal.

In deciding, therefore, whether to try a drop-kick, or continue the running attempts, he should reflect upon the value of the scores. The touchdown itself will count 5 points, even if he afterward fail to convert it into a goal, by sending the ball over the bar and between the posts, while, if he succeed in converting it, the touchdown and goal together count 6 points. A drop-kick, if successful, counts 3 points, but is, of course, even if attempted, by no means sure of resulting successfully. He must, therefore, carefully consider all the issues at this point, and it is the handling of those problems that shows his quality as a captain. If he elects to continue his running attempts, and eventually carries the ball across the line, he secures a touchdown at the spot where the ball is finally held, after being carried over, and any player of his side may then bring it out, and when he reaches a suitable distance, place the ball for one of his side to kick, the opponents, meantime, standing behind their goal line. In placing the ball it is held in the hands of the placer, close to, but not touching the ground, and then carefully aimed until the direction is proper; the kicker himself may aim it, touching it with his hands, provided the ball does not touch the ground. Then, at a signal from the kicker that it is right, it is placed upon the ground, still steadied by the hand or finger of the placer, and instantly kicked by the place kicker. The reason for this keeping it off the ground until the last instant is that the opponents can charge forward as soon as the ball touches the ground, and hence would surely stop the kick if much time intervened. If the ball goes over the goal, it scores

as before indicated, and the opponents then take it to the middle of the field for kick-off again, the same as at the commencement of the match. The opponents have the privilege either of taking the kick-off themselves or of having the side which scored kick-off. The ball is also taken to the center of the field if the goal be missed after a touchdown, although formerly the opponents could then bring it out only to the twenty-five-yard line.

There is one other issue to be considered at this point, and that is, if the ball be in possession of the defenders of the goal, or if it fall into their hands when thus close to their own goal. Of course, they will naturally endeavor, by running or kicking, to, if possible, free themselves from the unpleasant situation that menaces them. Sometimes, however, this becomes impossible, and there is a provision in the rules which gives them an opportunity of relief, at a sacrifice, it is true, but scoring less against them than if their opponents should regain possession of the ball and make a touchdown or a goal. A player may at any time kick, pass or carry the ball across his own goal line, and there touch it down for safety. This, while it scores two points for his opponents, gives his side the privilege of bringing the ball out to the twenty-five-yard line, and then putting it down for a scrimmage or taking a kick-out, performed like kick-off or any other free kick, but it can be a drop-kick, a place-kick or a punt.

The succession of plays continues for four periods of 15 minutes each. Between the second and third periods there intervenes a 15-minute intermission, after which the side which did not have the kick off at the commencement of the match has possession of the ball for the kick off. But between the first and second and third and fourth periods there is only a three-minute intermission, and the players of neither side are allowed to leave the field; the ends being changed, and the ball placed in the same relative position, the down and point to be gained remaining the same. The result of the match is determined by the number of points scored during the four periods, a goal from a touchdown counting 6 points; one from the field, that is without the aid of a touchdown, 3 points; a touchdown from which no goal is kicked scoring 5 points, and a safety counting 2 points for the opponents. In practice it is usual to have the periods of play somewhat shorter than for a regular game.

## How to Play Foot Ball

BY WALTER CAMP.

The Rules of 1910 promise to suggest novelties, but at the same time to call into requisition a great deal of the old fashioned watching the ball and general foot ball sense in anticipating plays. I wish to preface the brief remarks which I take occasion to make in this chapter regarding special plays in foot ball with the statement that they are not intended to cover the first principles of the individual positions in the game. In another book I have dwelt upon these at length, and have there defined with as great accuracy as I could the principal duties assignable to the occupant of each position on the team. In addition to this, I have there given the main features of team play. It is worth while to mention this at the outset, because a team can make no greater mistake than by taking up what are known as "trick" plays, or, in fact, any of the ordinary team plays in the present modern game, before the individuals of that team have become thoroughly perfected in the practical rudiments of the game, and perform almost by instinct the ordinary duties of their positions. This education in fundamentals has grown even more important in the last two years, for a team may no longer rely upon compactness of formation and the power of weight and concentration, because it is impossible by means of such plays to gain ten yards in three downs. Hence education in individual perfection becomes more of a necessity than ever. A team which undertakes to make strategic plays before mastering these primary points will always find itself working at a tremendous disadvantage, and the waste of power will be almost incalculable. Perhaps I could not put it more plainly than to say that the tendency is altogether too much toward what is known as "git thar" principles in all of our lines of sport to-day. A crew endeavors to row in a shell before learning the principles of the stroke; our boxers are apt to go in for the swinging, knock-out blow at the sacrifice of the more old-fashioned, but better form, sparring; but in none of these forms is it more evident than in the one under discussion, namely, foot ball. It is not at all uncommon to see a team playing intricate criss-crosses, double and forward passes and concealed ball plays, whose men are still tackling high, and whose half-backs kick a punt from low down on the toe. To every reader of this book then, I say with the heartiest good will, master the rudiments first if you wish to make yourself valuable to any team; master them thoroughly if you wish to see your team win when it comes to important matches. These special plays which follow

are plays which captains and coaches can work out to an almost infinite number of variations, but it will be the individual players on the team who will, in the end, determine whether the use of these plays will turn out successfully.

Under the present rules, whenever a free kick is attempted, it must be an actual kick of not less than ten yards into the opponent's territory. The introduction of this rule caused all the flying wedge opening plays of some years ago, as well as formed wedges from fair catches and kick-outs to disappear. The captain now has to perform the principal part of his strategic play, outside of the kick, from ordinary downs, instead of from what have been called "free kicks," but what have been really "free wedges." Furthermore, the more recent changes in the rules make one of the prime essentials of a good team proficiency in running, forward passing and quick kicking from regular formations.

I, therefore, begin with running in the line. By this I mean running, from his position in the line, by any one of the seven men forming the forward line in the team. This may prove a fair chance to take at times under the new rules. Some years ago there was a great deal of guard running, and in a good many books published recently on the game, the guard is spoken of as by all odds the most available man in the line for running with the ball. That is true to this extent. The guard occupies a good position for short and, perhaps, unexpected runs, but with the modern game the guard is such a feature in the defensive work that it has become a good deal of a question whether he ought to be given much running to do on his own account, and especially as he must now, from his position in the line. He can no longer be taken back into what is known as the guard-back formation. But if the reader will bear this in mind, and so not make use of his guard except to such an extent as shall still preserve the guard for his ordinary work, one can say that he has in these guards two available men in the line. The most natural run for the guard or tackle is between the tackle and guard on the other side of the line from which he stands. In the performance of this run by the tackle, the principal feature is to disguise the fact that the tackle is about to start, and his getting a quick and free start, not followed, or followed at a considerable distance only by his vis-a-vis. In order to do this he must form the habit of holding himself in the same position when he is not going to make this run that he occupies when he is going to undertake it, for any difference will indicate to his opponent what the play is to be. But, breaking away, he runs closely behind the quarter-back, taking the ball on the fly as he passes, and making a short and sharp dash in between his own guard and tackle, or preferably just about over the tackle's position, who, with the assistance

of the back and full-back both preceding the runner, break through with him. A tackle may also be run in a similar fashion between the tackle and end; guard and center, or even entirely around the end, but this latter play is of no great value except with particularly fast tackles, and more than that, it uses up the tackle's wind a good deal more than when he goes through the line, because the interference is likely to stand out pretty well toward the edge of the field, and the tackle will run his full distance and not be able to get through the end after all, thus having taken a considerable dash and under high speed and with no good result, but merely the loss of a down. In defining the tackle's running, I have also defined the running of the guard where he goes around behind the quarter in a similar fashion. These plays are strong where the guard is a big man and a hard runner with good legs. A fat man is useless in such a case. The University of Pennsylvania performed some very excellent work in dropping guards back as interferers, and also in giving the guards themselves the ball occasionally. The ends may be used exactly as the guards or tackles in running, or they may be dropped back of the line into practically the half-back positions, and transferring positions and alternating with the half-back taking the ball.

One of the most effective plays ever worked was that in which the end-rusher was dropped back of the line and sent in between the tackle and guard repeatedly, on his own side, the ball being passed to him quite a little distance from the quarter; then suddenly the same play was made, and the ball was passed directly over the head of this end-rusher to the half-back, who had crept out beyond, and who thus took the ball in a free field and made a free, long run. This was repeated again in the same game, showing that the play itself was good even to be used more than once. The above plays are also assisted by special formation, the players taking positions on signals.

Other runs which are possible by the line men are, of course, criss-cross and double passes. One example of these criss-crosses will illustrate sufficiently to enable a captain or coach to carry out a great variety of them, using every man in his line if he wishes.

For instance, the tackle and half-back criss-cross. As in the instance I described of the ordinary tackle run, the tackle—say the left tackle—suddenly shakes himself free from his opponent and dashes straight at the quarter, a few feet behind him, of course; the quarter passes him the ball as he reaches him, exactly as though the left tackle were then going around between the right tackle and the guard. But instead of doing

this, the left tackle passes to the right half, who runs to the left end, the half, full-back and quarter all interfering for him. The great point in this play is to see that the opposing right tackle does not get the runner as he starts off to get the ball, and furthermore, that this right tackle and right end are blocked late but long. Such a criss-cross can also be worked with the end, and with the guard it can also be tried to turn either inside or outside of the end. So much for the line men running. Wing shifts or line shifts, that is, plays wherein one side of the line shifts just before the ball is put in play over to the other side, are also becoming increasingly common.

Next we come to the half-backs and full-backs. Every one is familiar with the following plays, which we only mention in order to call them to the attention of the captain who is studying out in the early part of the season what plays he shall make the most of. The half-back running on his own side between any of the various men in the line; the half-back running between any of the men on the side away from his own side; the full-back running on the right side or the left side through the same openings and under the same circumstances and with practically the same interference, for in the modern game the captain is wise who uses his three men behind the line in such a way that any one of them may perform any of the various plays devised for the backs, and then maintain a similar formation, no matter what the play is to be. One cannot too strongly deprecate the exact detailing of certain movements in certain plays to get through or block or to take care of particular individuals when that move leads to the betrayal of the play before it has actually come off. The cardinal points to be remembered regarding running by the half-backs and full-backs are these: That the interference must depend upon the speed of the men engaged, and that no interference should be such as to slow up the runner appreciably, unless it be for some trick play or double pass where the slowing up of the runner means merely his being caught after getting rid of the ball. I have seen many a good team spoiled by their attempting to follow out a set rule as to the order in which interferers should reach the end. For instance, in the days of Heffelfinger, he showed how a guard could readily go from his own position out to the opposite end, and before the runner, and interfere most nobly for him all the way down the field. For this reason every guard was at once coached to go out and interfere on the end. Three out of five were too big and slow to accomplish this to any advantage, but that did not seem to make any difference. Somebody had written that the guard should interfere on the end, and the result was that everybody had to wait until the guard got out there. Meantime, the runner was usually caught from behind. A good guard who

can pick up his feet lively, and who can get around quickly and easily after blocking, can get out before an ordinarily fast runner. So, too, can the opposite end. A team ought not to have a quarter-back who is too slow to get out to the end as an interferer before the back with the ball reaches the other point. But for all that there are quarter-backs, and good ones, too, who are a little slow in this and hold back the runner. These men should either be coached into better speed or taught a little different way of getting rid of the ball on the run, perhaps, or be sent to perform the tackle's duties, and let the tackle get there if the tackle is a remarkably fast man; otherwise such a transfer would only make bad worse. From what I have already said the captain can see that he must measure his interference by the speed of his interferers, and match them with the speed of his runner with the ball in order to satisfactorily solve the equation for his own team. It is the captain of brains who wins by doing just these things, while the captain without them takes the hard and fast rule that has been laid down by some one, perhaps of his own team, who has written an article from the knowledge of only one or two teams, and thinks that all can be brought up to exactly the same point in the same way.

Regarding going through the line close to the center by backs (and by backs I mean the quarter and half-backs as well), there are two ways of sending a man through the line. One is to batter a hole before him and let him slip through, and the other is to put him through a quick opening. There are line plays which combine a variety of these tactics, but there are some principles to be remembered in connection with them which will give them something more than a careless "hit or miss" move. In the first place, a big, heavy man should never be run into the line with one or two light interferers preceding him, whereas a light man can be run in behind two heavy men with abandon. The reason for this is that there are times when the hole will be choked up in spite of the attempt of the interferers, and a heavy man getting his head down may strike one of the interferers in the back and incapacitate him for future work. It is not so apt to hurt the runner as it is the man whom he strikes, although there have been cases of injury to the runner. When the hole is choked up, and heavy men are interfering, they can usually keep the mass moving away from the runner, even if they do not open the hole for him, and this play is much less hard and far less dangerous. In sending two light interferers ahead to spring an opening for the runner, it should be borne in mind that an opening made in this way is a quick, sharp one, and should be utilized instantly. An opening, on the other hand, made by two heavy men in this fashion can be much smaller and rely largely upon the accumu-



lated force even after the runner strikes the line. The men who go ahead to interfere must always remember if they have to go down to fall away from the opening and not block it up.

To come now to the wedges or mass plays. Owing to the prejudice of the public and the feeling that wedge work was taking too much of the attention of the players, captains and coaches, the rule-makers attempted to eliminate a great deal of this work by the passage of a rule against momentum-mass plays as well as the passage of a rule insisting upon actual kicks. This latter rule I have mentioned earlier in this book. There is no question but that this has done away with a great deal of the most showy part of the flying wedge, but rules against momentum-mass playing had not and are not likely to eliminate the use of the principle of wedges. They took off the weight which it was possible to get into these wedges, and in that way were an excellent thing, but it required more severe legislation to eliminate all mass plays. This, however, was accomplished quite effectively by the ten-yard rule adopted in 1906.

The development of the position of quarter-back, so far as running is concerned, has been toward the old rules, when many years ago it was possible for the man receiving the ball from the snap back to carry it forward. Some years since a rule was enacted again permitting the quarter-back to run, providing, however, he went out at least five yards from the point at which the ball was snapped. The first season this permission did not offer any very great developments along the line, but for the last two years it was tried with far more effect, and like any other play of this nature, seems to be developing in the hands of the coaches and players until it promises to be a considerable feature of the game. The continuation of the quarter-back run with the forward pass also offers excellent opportunities for successful play. It is interesting, because it admits of greater possibilities, and a run of this nature when it is thoroughly successful develops into spectacular play which pleases the spectator and demands one more qualification in a quarter-back.

This year, with the privilege allowed the quarter-back of crossing the line of scrimmage at any point, there will be many more of these runs attempted.

There are several methods of effecting the quarter-back run, and although naturally it is difficult to bring it off unless it is performed unexpectedly, it does lend itself to the development of interference. The usual method is for the interference to circle outside of tackle, the quarter-back protected by the interferers making a very direct run out toward the end and circling as his interferers turn in.

Another method is to pass the ball back apparently to the full-back for a kick, and he acting, as will be seen, as a quarter-

back, may run with the ball out around the end. Forward passing by any man back of the line is allowable this year, even though the ball crosses the line of scrimmage less than five yards out from the point where it was put in play.

To come to the last point of this brief summary of plays, namely, kicking. This department under the present rules becomes still more important, even though a field-kick goal counts now but three points. The special points about kicking are the accurate placing of the ball and the acquirement of short and long-distance punting as well as place kicking. Kicking into touch, where admissible under the rules, should be made much more of, and it is becoming absolutely necessary for a team to have good punters and quick, sharp kickers in order to take advantage of certain modifications in the laws of the game, particularly that relating to the on-side kick. To go into the details of these kicks would be an almost infinite task, but the captain can study out the situation from the following premises: A kick is absolutely necessary at kick-off, sometimes at kick-out and often after fair catch. What kind of a kick then will be most advantageous to his team? A short one, high, where his man can get under it, or a long-distance one, giving the opponents a chance, perhaps, of return, but enabling him, if he has fast ends, to hold the ball down at the distance of the kick? How best shall he take advantage of all his possibilities?

Kicking has thus come to be an absolute essential in a well-rounded team, and the style of that kicking adapted to the make-up of the individual components of that team in end rushers, tackles and backs.

The new rule, providing that when a kicked ball strikes the ground it puts everybody on-side after going twenty yards, will lead to a general development of kicks similar to those formerly known as quarter-back kicks.

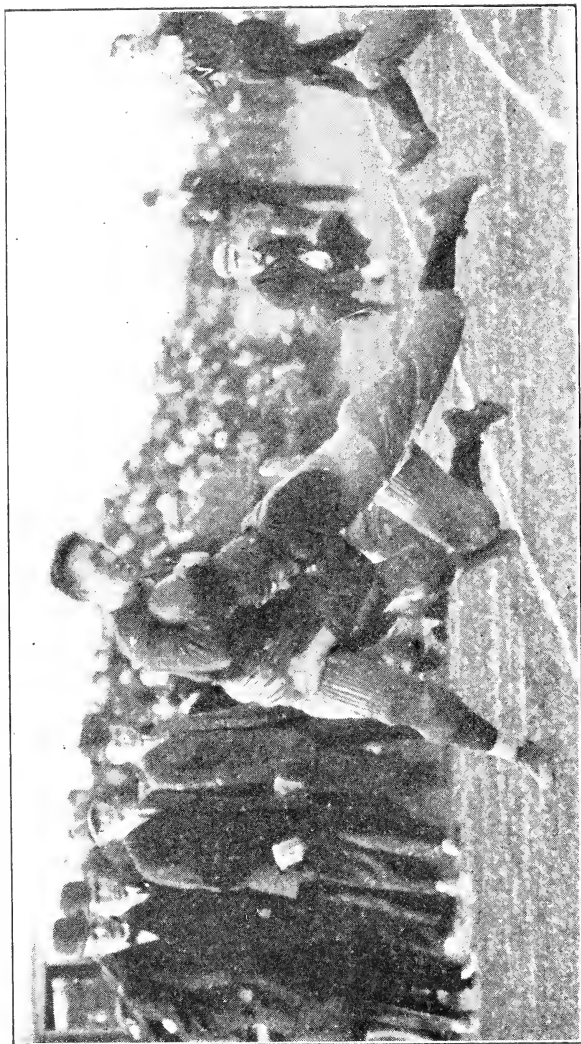
## Modern Attack, Forward Pass and On-Side Kick

Under the reformed rules of foot ball the coach must make up his mind that it is absolutely useless to rely upon hammering plays to win games. Times have changed, and a team that is brought up on close plays may, if they secure the ball by a fluke on the five-yard line, ram it over for a touchdown, but otherwise, they will never succeed in getting near enough to be effective.

The open play, that is taking big chances of wide end runs or surprises combined with the forward pass and on-side kick, must make up the attacking force of an eleven to-day. But this does not mean that line bucking should be forgotten. There is apt to come a time in any game when the team must carry that ball for fifteen yards with certainty, when line bucking is a very valuable asset, and they must be tried out in doing this and tested until the coach feels that they will not be found wanting in a pinch. Now, it is not the simplest thing in the world to accomplish this, but it is not impossible by any means.

Elsewhere in this book the detail of the running play is sufficiently dwelt upon so that it is more important to discuss the points of the forward pass and the on-side kick.

First, it is well to consider these two as the means of alarming the opponents and forcing them to place their defense in such a position as to make it more possible to puncture or circle their line. When the forward pass first came in very few teams realized that there was any other way to frighten the opponents than by actually making the pass. Teams now have learned, however, that it is quite possible to alarm the opponents and open out their defense without taking a chance of surrendering the ball, which is likely to happen on any forward pass or on-side kick that is not recovered by the attacking side. With this end in view, it is wise to have a certain line of plays primarily based upon the half-back or back charging around the end of the line, in which play the end himself goes forward, turning toward his runner and extending his arms as if to take the pass. Meantime the back, who is running, still circling back after having received the ball, puts it in such a position in his hand as if he were getting ready to make a forward pass, but still runs on. Now, it is impossible under these conditions for the opponents to know whether the man actually intended to make the pass and then found that the position of his end or his own progress was such as to make it inadvisable to complete the pass, or whether it was a fake play all the way through. As, therefore, it was



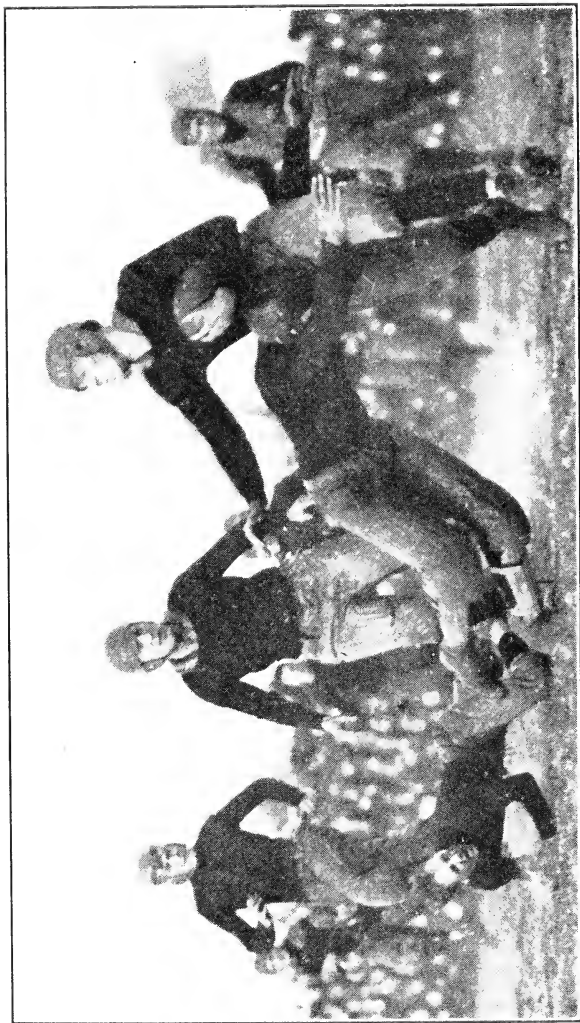
EXAMPLE OF TACKLING UNDER THE NEW RULES—ONE FOOT ON THE GROUND.

impossible for the opponents to tell they must guard just as though the pass had been made, and hence their line of defense has been weakened by it, and again they may be rendered nervous for fear the next time the man will pass the ball.

To fake an on-side kick is more difficult, but it can still be done by a man's running out as if to kick and then turning into the line, at the same time the man on the other side calling out "Here."

Then, on second or third down, when the ball must be surrendered by the kick anyway, it is sometimes wise to make a low kick, although sacrificing somewhat in distance, gaining both on account of the chance that it may hit the ground and still be recovered by one of the kicker's side, and also that it puts the full-back in doubt on the next kick as to whether he shall play back or come up more closely.

Now as to the detail of forward passes and kicks themselves when actually made. A forward pass may be made in a variety of ways. When the play was first started the men passed the ball in any old fashion. A toss end over end, a swing like that used by the quarter-back in making a long side pass, or even a two-handed pitch like a toss of a basket ball. As men became more familiar with the use of their hands in manipulating these passes, they found that a good deal more could be done than was at first contemplated. This was on account of the shape of the ball. It was found that a man could throw the ball as one would a spear or javelin, and this, in addition to the side swing or spiral, made it possible to do a great deal in the way of distance and accuracy. If the pass is to be short, a little toss just going from one man over to another. The simplest and easiest is a two-handed toss, either from over the head or from the waist. If the toss is longer and needs to be sent more quickly, the pass such as a quarter-back uses in delivering the ball, where he takes it with the hand over the end and swings it, is more effective in speed and quite as accurate. When it comes to a longer or faster pass, then the spiral is used. The ball may be held underneath with its point forward and the fingers over the lacing and driven forward almost with the same motion that a ball is pitched for an outcurve in base ball. Then the overhand pass may be used for longer distance. The ball is held back of the middle, between thumb and fingers, with the fingers on the lacing. The ball is grasped firmly and the position is like that of an overhand throw in base ball. The ball is driven forward, the grasp of the fingers on the lacing and the thumb on the ball causing the ball to fly with a spiral or turning motion with its long axis continually pointed forward and horizontal to the ground.



ANOTHER EXAMPLE OF TACKLING UNDER NEW RULES—ONE FOOT ON GROUND.

Even though the new rules admit of only a pass that does not go farther down the field than 20 yards, it is on account of the diagonal nature of some of the passes necessary that a man should be able to send the ball a goodly distance with speed and accuracy.

There is still another pass which must be mastered by the man who wishes to be perfect in that line of play, and that is, a pass which travels well in the air; in other words, occupies considerable time, so that players of the passer's side may be able to get under it and have a better opportunity, or at any rate as good an opportunity, as the opponents for securing it. It may seem a simple pass, but it is one of the most delicate and difficult to make of the lot and many a man has failed when he was put to the test. It requires practice, like the others. It should be made by an end-over-end motion, as used in the quarter-back's pass, only sending the ball up into the air instead of low. This kind of pass can be made up into the air, even when the men are almost on the passer, and is useful when the ball is down within the enemy's danger zone, where any successful bringing off will probably mean a touchdown and where a fumble by the opponents might be fatal to them.

The on-side kick is nearly as important as the forward pass and requires even greater skill in its execution. The amount of practice that may be spent in learning to kick the ball properly is really limitless. A man may be able to learn to kick the ball in such a way that it will at one time bound high, another time bound forward, or even backward; that it will fall "soft," that is, dead, with very little bound, and another time take a quick kick sideways. All that is needed is plenty of practice to accomplish these various kinds of kicks, producing corresponding antics on the part of the ball. Then, after having practiced enough to make the performance perfect, the next step is to be able to perform these things when opponents are charging at the kicker, which is a rather different proposition. However, it can be accomplished by a steady man with nerve.

Now a ball to be kicked so that it will bound high and backwards should be given an underspin, whereas if it is desired to have the ball bound forwards it should be kicked end-over-end with the foot somewhat turned down. It will be found that the ball will strike "soft" and dead if it is kicked on its side instead of on its end, and of course it is possible to make a ball break strongly to the right by a right-footed kicker drawing his foot across the ball underneath it as he kicks.

The greatest value of an on-side kick lies in its unexpectedness and a play should be so developed that a runner may be apparently going out toward the end and suddenly the play turn and develop into an on-side kick. For instance, a right half may



RUNNING WITH BALL WITHOUT PUSHING OR PULLING.

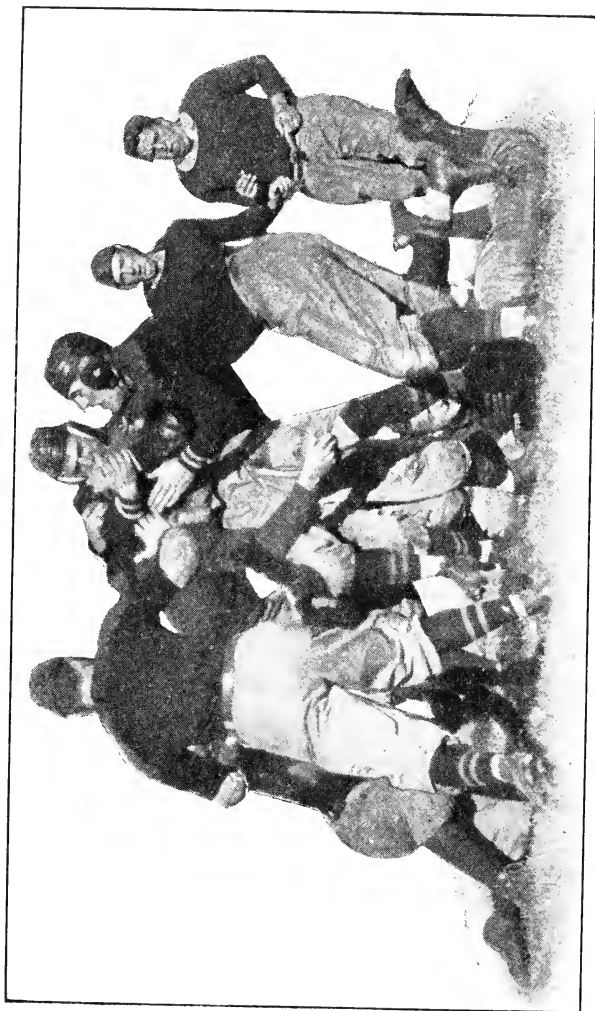


start out toward the end, and having passed the middle while protected by his interferers, drive the ball straight down the field or across over toward the side from which he started, a signal having been given so that his own men know where to run as soon as the ball is put in play by the center.

This will be rendered less effective by the new 20-yard rule before mentioned.

Another way to operate the unexpected on-side kick is when the kicking position has been taken and a long punt is expected, for the punter to drive the ball short and low over the middle of the line, or, running a step or two out, drive a low diagonal, crossing the line. The diagonals are very difficult to prevent going out of bounds, for the angle is very sharp and the kick over the center must be so calculated as not to go practically into the hands of the man who is located in that portion of the field and thus lose all its value.

A good many teams found short on-side kicks very efficacious, because they used them more to worry and harass their opponents with in a difficult situation, than for any definite purpose of ground gaining or securing the ball themselves. The most effective of these methods has been to put a little high kick over the line in such a way that the opposing back must come up on the line if he is going to get it on the fly, while the kicker's own side are sure to be right under the ball, even before the man gets there. He must remember, however, that the ball must go twenty yards past the line of scrimmage before the men are eligible to receive it, and that when he makes the kick he must be five yards at least back of his own line of scrimmage.



THE OLD PUSH AND PULL GAME.

## How to Play Quarter-back

BY WALTER H. ECKERSALL,  
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The position of quarter-back is considered by many to be the most important one on a foot ball team, but to my mind each of the eleven positions is a critical one. At some time during every game an opportunity comes to each man to play his position as it should be played, and on his ability to grasp that opportunity depends the result of many a contest.

A foot ball team is composed of eleven men, and if, as sometimes happens, one man is apparently doing all the storing, you may be sure the other ten men are doing their duty in order to make such a feat possible, and praise should be given to them equally with the fortunate individual performer.

The quarter-back position may wisely be termed the keystone one of a team. Especially is this so, as is usually the case, when the quarter-back gives the signals. He is then truly the field captain and largely responsible for the outcome of the contest through which he directs his men.

A team should have the utmost confidence in its quarter-back in order to play with the speed and precision by which games are won. On the other hand, the quarter-back, by steady, consistent play and ability to deal with emergencies, should merit this confidence. Often the very tones in which the signals are given can bring order out of chaos, and vice versa.

There are just as many different ways of playing quarter-back as there are coaches and quarter-backs. Of course, a certain set of playing rules must be followed, but aside from that, the field left for devising original plays is large and on the coach largely depends the origin of these plays. If the formations are such that a great deal of time is required to carry them out successfully the playing of the quarter-back will naturally be slower, and, on the other hand, if trick playing, running and kicking are resorted to, the speed of the quarter-back is proportionately increased.

The material with which a coach has to work often determines the style of play to be adopted. If the men are heavy, and consequently slow, the plan of action will have to be along the line of their plunging, line-plugging abilities. And, on the other hand, if the material is light, a speedy, crafty campaign must be planned to offset the lack of weight.

Other points which the coach considers carefully in devising the plays for his quarter-back are the abilities and handicaps of the opposing team. Perhaps one team is noted for a certain



GETTING A FORWARD PASS.

style of play, hence plays are planned to cope successfully, if possible, with this method. These plans failing, often an entirely different mode of procedure is expounded to the players between the halves by the coach, and the quarter-back receives his instructions accordingly.

As each succeeding team naturally puts up a different game the coach is obliged to think up new plays constantly and teach them to his men.

So it seems to me the coach does a great deal of hard work that the quarter-back is generally given credit for. Still, the quarter-back must use his good judgment in the direction of these plays in the heat of battle, or the best-laid plans of the coach are for naught; so, perhaps, after all the responsibility is equally divided.

## REQUIREMENTS OF THE QUARTER-BACK.

As a general rule, with but few exceptions, the quarter-back is a small fellow, weighing in the neighborhood of one hundred and fifty pounds, small of stature, but very compactly built, a good runner, plenty of nerve, good judgment and cool-headed.

The new rules promise to add to the requirements of their positions, especially in ability to run, and all the backs are liable to be quarter-backs.

Theoretically, he is the captain of the team, for he directs its play from the start of the game to the end. If he is an intelligent and experienced player, his judgment will rarely be questioned by the captain, and if this be the case the captain should be reprimanded for such interference. The quarter-back is depended upon for the team's victories and blamed, generally, for its defeats.

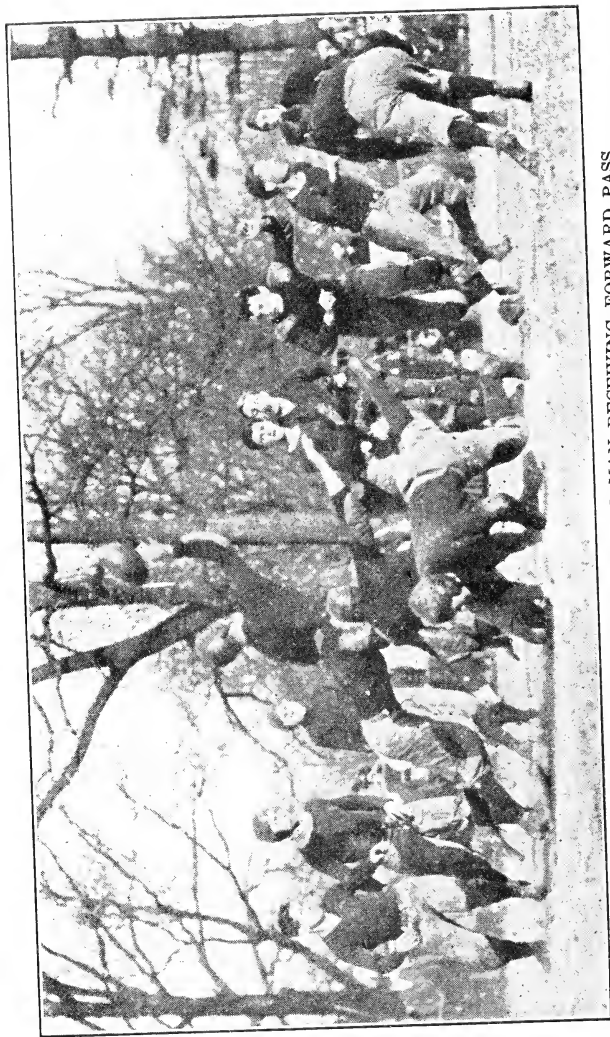
This man should have a combination of qualities, which, fortunately, most quarter-backs have.

First—He must have a good memory. He should be able to remember from sixty to seventy different plays and the signals for them, and he must know them in such a way that there is no hesitancy or delay on his part in giving them.

Second—He must be able to devise some plan for finding out the weaknesses in the opposing team, and then hammer them consistently. This is accomplished most readily by using the full-back and sending him at every point in the line, thus finding some spot which is weaker than any of the others.

Third—He must not use any man too much, for fear of tiring him too quickly, thus weakening the offense and the team as a result.

Fourth—He should consult with his own line men in regard to



FORMER METHOD OF BOWLING OVER MAN RECEIVING FORWARD PASS.

the position of their opponents, thus ascertaining, in a measure, the chances of sending a play through one of them with a marked degree of success.

Fifth—He should always encourage his team mates, whether they are being outplayed or otherwise, for it is too well known in foot ball that the players never lie down and a little encouragement goes a great way.

Sixth—He must always bear in mind the coach's instructions, and also consider them seriously.

Seventh—Always consider your opponents as gentlemen.

Eighth—Always treat the officials in a courteous manner, being ever mindful of the fact that they are selected as impartial overseers of the game, and, too, that any act of discourtesy on the part of any player gives the officials the power to send the offender from the game.

Ninth—Be a cheerful loser and give the credit where it belongs.

Tenth—Take your victories modestly and your defeats with courage.

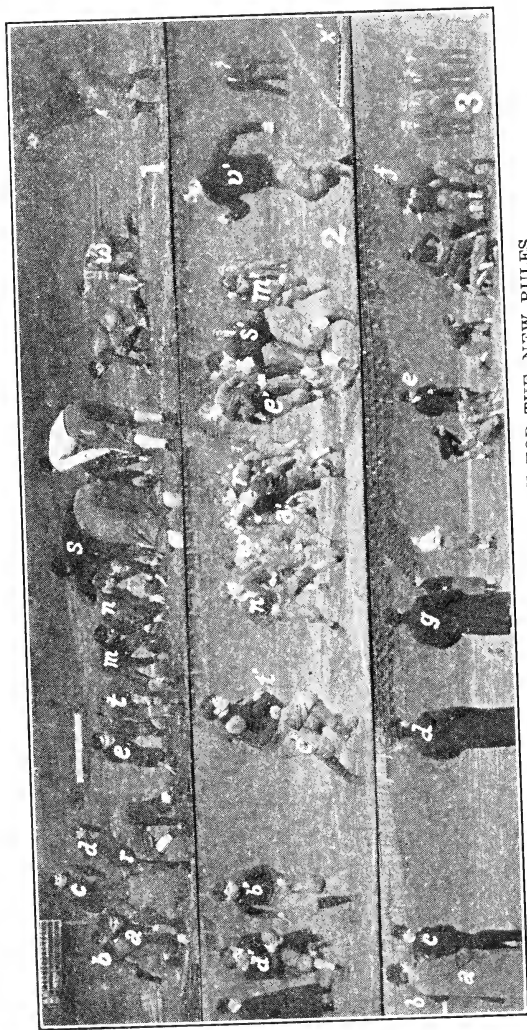
## POSITION OF THE QUARTER-BACK.

There will be many new positions for the back field men, but in regular formation the quarter-back should stand squarely behind the center in a crouched position. It is necessary that he holds his hands in a fixed position to receive the ball. He should make no move whatever, with his hands, or by a dip, from bending of the knees, to receive the ball, for if he does he immediately gives a warning to the opposing team, thus enabling them in many cases to get the charge on his own team mates. In connection with this, it may be necessary to add, that it is very helpful to have a starting signal. This enables the team to start at the same time and does not give the opponents any undue advantage, which might come if the quarter were to give a motion with his hands or some other outward sign.

In receiving the ball from the center, the quarter should use his hands as much as possible. I have found it very useful by having my hands close to my body in such a manner that the ball comes in contact with my body and hands at practically the same time, causing no delay whatever, in passing the ball to the player who was called upon to carry it on that particular play.

Many coaches advocate a side position, which necessitates, as they claim, a surer pass from the center, but it does not allow the quarter to start quickly, thus delaying him in getting the ball to the runner immediately, which is a very essential point.

The quarter must familiarize himself as much as possible with



VARIED EXPERIMENTAL WORK FOR THE NEW RULES.



the ball. He should spend plenty of time working with his center, making whatever adjustments and suggestions he deems necessary for the further perfection of his play. He must spend some time practicing with a wet, heavy ball, for no one can tell when the conditions will be such that the ball will become wet, heavy and soggy.

### PASSING.

In my estimation, passing is the most important work of the quarter-back. As has already been stated, nearly every team has its quarter coached differently in the various branches of attack.

When the full-back is called upon to make a straight plunge on the half-back for a straight buck or cross-buck the quarter should *never* fail to place the ball in the stomach of the man who is to carry it. This is a cardinal point in the work of the quarter and too much emphasis cannot be laid on it.

If the full-back is to make a straight buck on the right of center, the quarter should pivot on his left foot, quarter of the way round, and with his left hand *place* the ball in the pit of the stomach of the full-back, and vice versa if he bucks on the left side. The same theory holds true in passing to the half-backs for straight bucks and cross-bucks, only on the cross-bucks he steps to the side and back, and places the ball in the stomach as before. Of course, in the wide end runs and trick plays this cannot be carried out, but should be always borne in mind by the quarter-back.

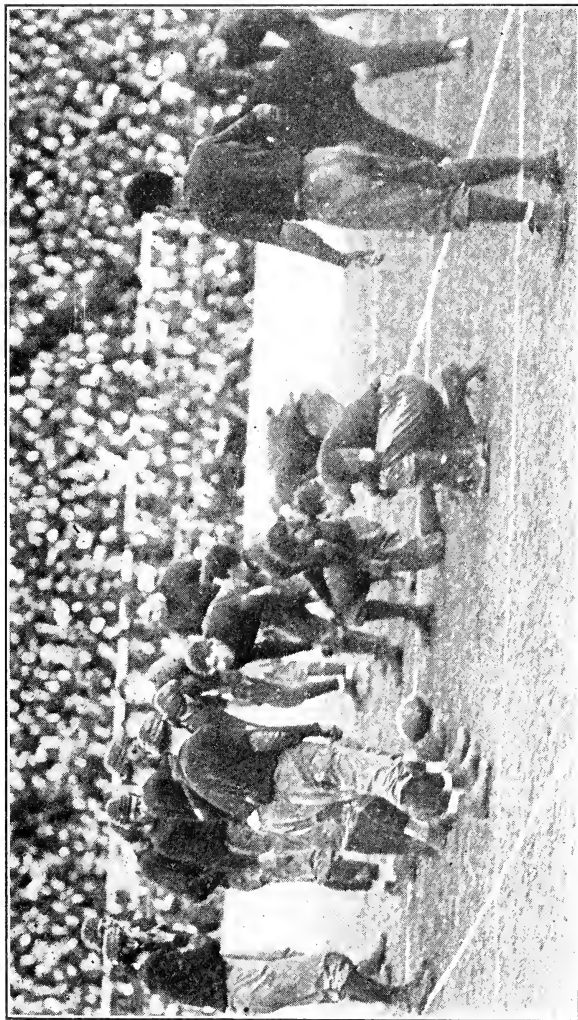
This point of passing is very essential to good team work, for nothing will slow up a team quicker than poor passing, which is of course the fault of the quarter-back. If the players begin to lose confidence in the quarter-back they will not put the same dash and drive in their work as they would otherwise. Then again, the quarter-back is only a cog in the great machine, and he should fulfill his part of the work without any hesitation or delay.

### TACKLING.

As a general rule the offensive quarter-back plays defensive full-back on defence and as such innumerable opportunities present themselves for him to test his own tackling ability.

When playing the above position on defence it is best to play from fifteen to twenty yards back of the scrimmage, thus enabling the quarter to stop a runner in the open field without any considerable gain, and because it is easier to stop him then than it would be if he once obtained a good start.

Too much time cannot be spent in practicing tackling. It is a fundamental requisite of his position and should be perfected by him, more than by any one else.



HARVARD-YALE GAME, 1909.

Pictorial News Co., Photo.

The quarter should *never* run up on a man, when he once gets loose, for it is the easiest thing in the world to dodge a man when he is coming up to meet you. The tackler must wait for the runner to come to him, and then by some original schemes, such as a little jumping sideways, endeavor to hit him about the thighs, as the rule forbidding tackling below the knees is being enforced. The quarter must be able to tackle with both shoulders equally well, and should not favor one shoulder, as is quite frequently the case.

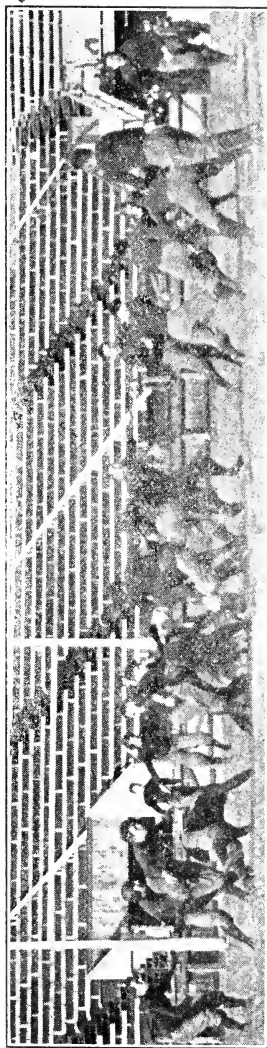
It is generally better to corner the runner, if possible, between the side-line and yourself, and when you are absolutely sure you have him safe, you should make a running dive at him, thus enabling the tackler to break any stiff-arm and prevent the runner from dodging. Nothing is more distasteful to the follower of foot ball than to see a half-hearted attempt at tackling, such as a tackle around the neck or by the arm. From such attempts as these injuries are inflicted, occasionally of a serious nature.

The defensive quarter of course is forced by circumstances to tackle a runner wherever he can. The player in this position should be a man of experience, intelligence and strength. He should be able to size up situations quickly and direct his team mates accordingly. An experienced, defensive quarter is occasionally able to foresee a certain play by the actions of the backs of the opposing team. Not infrequently does an experienced half or full-back point with his eyes or feet in the direction of a play and naturally more so in the case of the inexperienced player. One great point, which he must continually bear in mind, is not to go into a play too quickly, for it may happen that it is a fake or split interference play, and, naturally, to get the defensive quarter drawn in, adds to the value of the play. He must always throw himself under a pile and never try to resist a mass standing up.

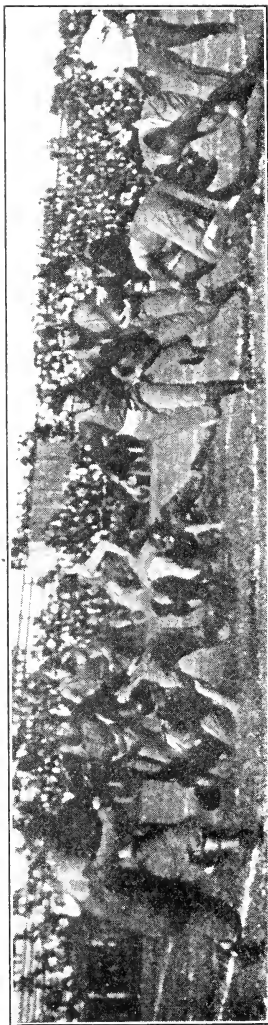
As a general rule the play on a third down is either a kick or a buck through the line and after the game is fifteen minutes old the man backing up the line should know what is going to happen.

### INTERFERENCE.

The quarter-back is quite an important man in the interference and much can be said about his work in this particular branch. In straight plunges by the halves or full-back, he should *not* attempt to get in ahead of the runner, or immediately behind, because he thus has a tendency to clog and slow up the play. The quicker the play gets up to the line of scrimmage, the more value it has. When the quarter plays thus he is practically a free man



DALY, YALE CAPTAIN, 1910, MAKING A SUCCESSFUL DROP-KICK.



SWING AROUND TACKLE—QUARTER CARRYING BALL.

and must be constantly alert for fumbles, which occasionally happen and frequently result seriously. In end-running, it is a cardinal principle for the quarter to head the interference.

In open-field interference the interferer should not hesitate to leave his feet to take a man out of the way, especially if the opponent is the defensive full-back. Of course, the interferer must make sure of his man, and this can best be done by getting him between the side-line and himself, then making a lunge for him, so that his body will strike the tackler about the knees. But the interferer must be certain of his position before the lunge is made, as the tackler may side-step the interferer as he takes the lunge. This is the surest way there is for taking a man out of the way, and it is a form that *can* be accomplished with practice. Work on the tackling dummy is mighty good for this.

### HANDLING PUNTS.

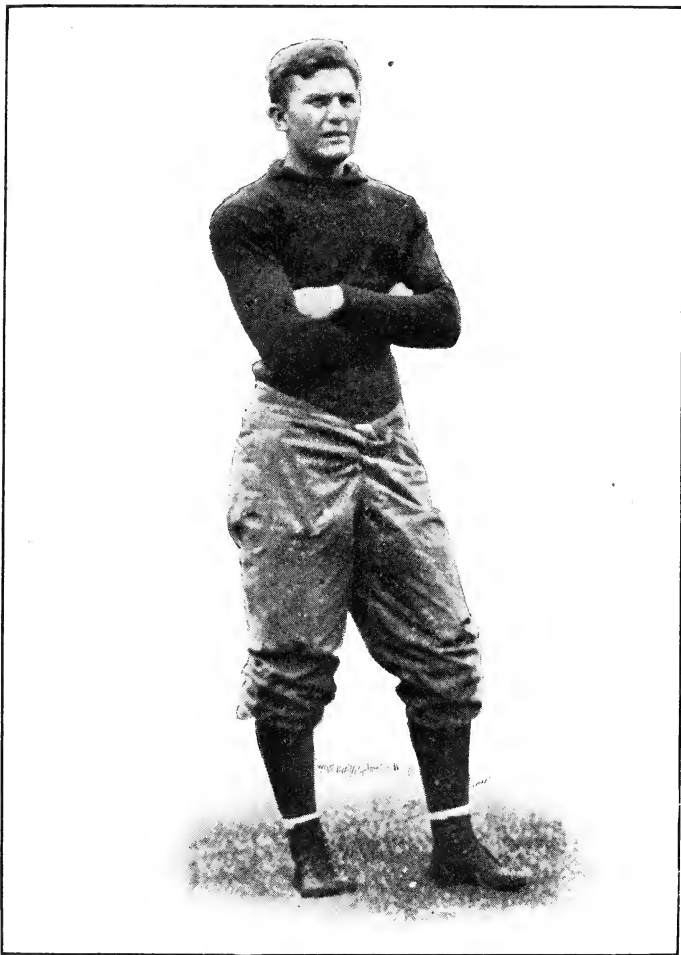
No one rule can be laid down telling a player how to catch a foot ball, but numerous suggestions can be made upon this point.

A punted ball has no definite direction, for it may be diverted from its course by numerous air currents which come from openings in the grandstands or other sources, thus making it very hard to judge the ball accurately. Of course the ball is caught against the body, if properly judged, with the aid of the arms and hands. It is also a good thing to bring the leg in action, by pulling it up in such a manner as not to allow the ball to drop downward after being caught.

The quarter-back should pay no attention whatever to the men who are coming down to tackle him. He *must* make sure of the ball and then of the men.

When he has caught the ball he should carry it in such a way that the point is well up under the arm and the other point resting in the palm of his hand. When he is tackled he must be absolutely sure to hold on to the ball by wrapping both arms around it. It is a rather poor policy to attempt to catch a ball on the run, as the chances of missing it are greater than the chances of catching it. When carrying the ball the runner should *never* run straight into a man, because an injury is easier averted by side-stepping and getting the force of the blow on the side.

Kick-offs are different from punts in that they have a definite direction, thus making them easier to catch. It is best to catch kick-offs on the run, if possible, because they are much simpler to handle and the catcher runs very little risk of dropping them, and then, again, he is moving rather fast, covering the ground and in a better position to dodge. Always get possession of the



"TAD" JONES, YALE'S GREAT QUARTER-BACK.

ball if it goes behind the goal line, for if the opponents get it, it is a touchdown for them.

### GIVING SIGNALS.

The quarter-back in giving signals must give them loud and clear. The fundamental point in this branch of the quarter's work is his utmost familiarity with the signals. He must have them continually at his tongue's end and he should help other members of the team memorize them.

If a signal is to be repeated the quarter must rise from a crouching to a standing position and give the signal with the same clearness and distinctness as before. He must never turn to either side and repeat the signal, for he may unconsciously give the play away. When a repetition of the signal is called for it is best to turn around and face the backs and then turn back and give it to the line. Especially is this true on a day when there is plenty of noise, and for this reason I favor series plays, when two or three plays can be run off from one signal, thus giving a team the advantage of fast play.

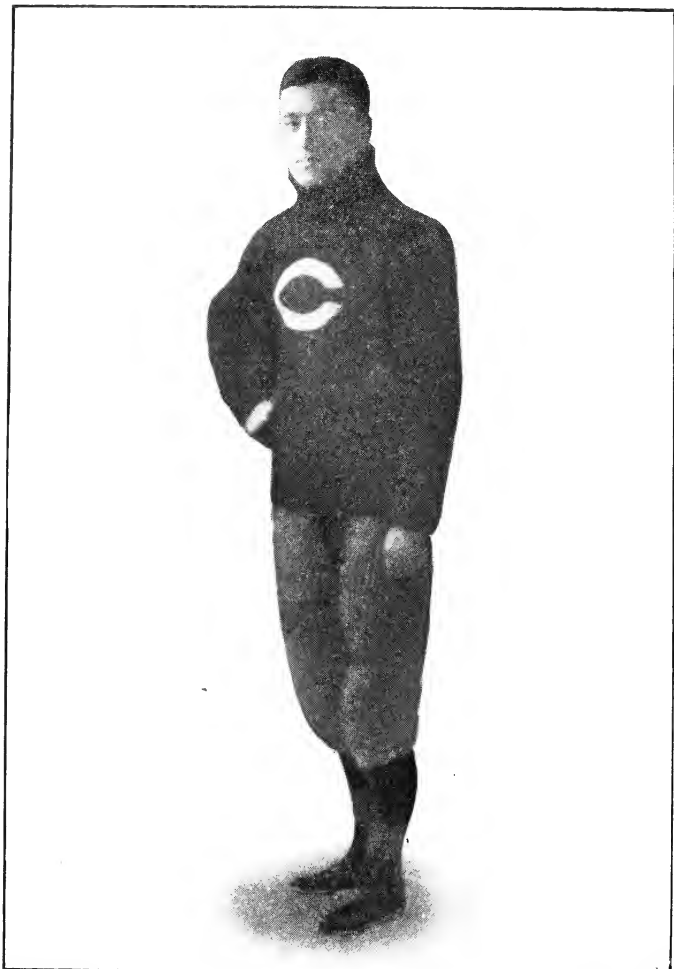
### PUNTING AND DROP-KICKING.

It is a rather difficult matter to describe how to kick a foot ball accurately. Kicking applies to punting as well as scoring from the field, but the two branches of this part of the game are absolutely distinct.

It is hardly necessary, I suppose, to explain that a punt differs from a drop-kick in that when the former is made the ball is dropped and kicked before it touches the ground. In a drop-kick the ball is dropped to the ground and kicked just as it is rising on the bound.

In the last few years, with the development of place-kicking, drop-kicking has to a certain extent gone out of use. So far as I am concerned I prefer drop-kicking to place-kicking. In the latter form of scoring the responsibility is divided between two men—the one who holds the ball and the actual kicker. This division of responsibility of course doubles the chances of failure, for not only must the kicker do his work accurately and quickly, but the man who holds the ball also must make no mistake.

Just what is the exact secret of successful kicking is as hard for me to explain as for any one else. No two kickers use absolutely the same method. I know that when I was first learning to kick I was frequently told by good coaches that my method was all wrong.



WALTER ECKERSALL, OF CHICAGO, THE WEST'S GREATEST  
QUARTER-BACK.



The two most important points about kicking, whether it is punting or drop-kicking, are accuracy and speed. No matter how good a kicker a man may be—no matter how accurate even—if he is not fast in getting the ball away he is practically helpless. Therefore, a man learning to kick should endeavor first and foremost to attain speed. It must be the right kind of speed, too. The kind that is best understood by the phrase "make haste slowly." A man who loses his sureness in attempting to get speed is just as bad as a man who is so slow as to have his kick blocked.

The kicker should always try to make a kick in just the same space of time, whether he is merely practicing on a clear field or actually kicking from behind the line in a game. He should try and feel just as if there were no one trying to break through the line and block his kick. He should know he has just about so many seconds in which to get the ball away and he must take all that time to increase the accuracy of the kick.

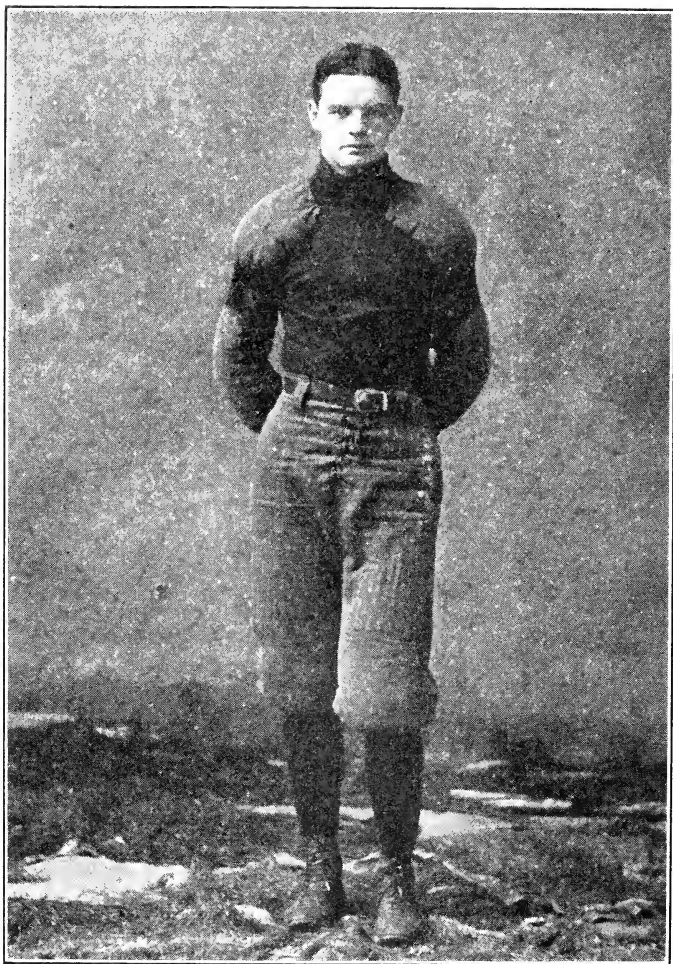
Accuracy, after a certain point in the development of kicking, is better than distance. An accurate punter can generally place the ball so that a man on the opposing team who catches it is almost sure to be tackled before he can run back any great distance. On the other hand, as one frequently sees in a game, some punter gets great distance, but the man who catches the ball is able to run it back.

In punting, the kicker should always have a good idea of just where the opposing back-field men are waiting to receive the ball. It should be his idea to get the greatest possible distance, at the same time trying to put the ball where it is hardest for the opponent to get it and where the ends on his own team will have the least difficulty in making a tackle.

All this applies to punting, but although this is the most important branch in the kicking end of the game, it is the drop-kicking that appeals to the spectator. A large proportion of every crowd at a game knows really little about the finer points of foot ball. This class of spectators does not realize how important punting is. A man is apt to forget that a single punt may gain forty or fifty yards in a few seconds, which it has taken the opposing team many minutes of hard play to obtain.

This is not the case with drop-kicking. If the drop-kick is successful, it gains three points, and the spectators appreciate it more than any other kind of kicking, just as they are apt to think more of the effort which gains the last yard for a touchdown than of a much longer gain made earlier.

As I have already said, it is rather hard to explain how to make drop-kicks. In making such a kick the kicker should get the ball on a high pass, about shoulder high, then turn a little



DALY, HARVARD'S GREATEST QUARTER-BACK.

Pach, Photo.

to the right before dropping the ball to the ground. Then just as it rises on the bound he is in a position to swing at it with his right leg full force.

Before making a drop-kick it is always well for the man who is about to attempt it to look at the ground about him closely, so that he may avoid any rough places. The slightest inaccuracy in dropping the ball or in kicking affects the accuracy of one's aim enormously. Not only must the ball be dropped just right, but it must be kicked at just the right second. The toe and instep should come in contact with the ball at the same time and the square-toed shoe is of very great value in accomplishing this end.

However, when all is said in explanation and when the most accurate pictures of drop-kicking have been studied, it remains for the beginner, who wants to learn how to do it, to get a foot ball and try. That is the only way. No explanation or coaching will make up for experience.



HAROLD WEEKES, COLUMBIA'S GREATEST HALF-BACK.

Pach Bros., Photo.

## Play of the Backs

BY W. T. REID, JR.,

Full-back Harvard Foot Ball Team of 1899 and Head Coach Harvard 'Varsity  
Foot Ball Team for 1905.

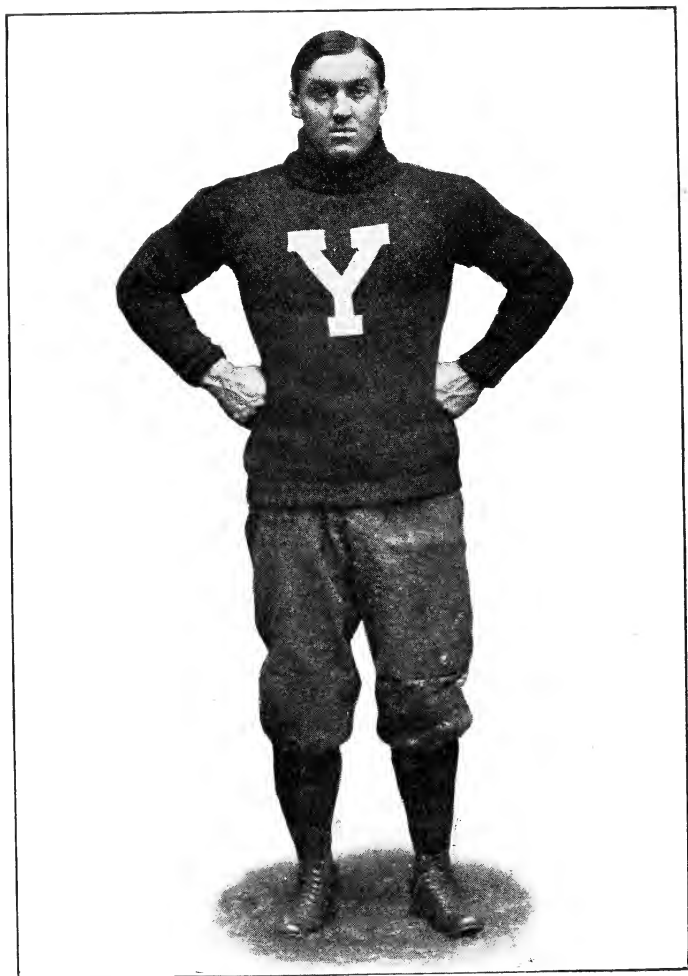
Properly speaking, the term "backs" refers to the quarter-back, the two half-backs and the full-back. This article, however, will deal only with the three latter positions, leaving the very technical work of the quarter-back to some other writer.

The three backs, as we shall term them, are closely associated in everything that they do. On the offense they alternate in carrying the ball and in pushing each other along in making forward passes or receiving them, also two of them should be able to make an on-side kick. On the defense at least two of them, and sometimes all three, are called upon to reinforce the rush line and at the same time protect against forward passes and on-side kicks. And they are usually of about the same size and weight.

With all these points of similarity there is much that belongs to each separate position that goes to make it unwise for a back to attempt to play in more than one position. For instance, if the right half attempts to play at left half he must accustom himself to the use of the right side of his body in interference instead of his left, to starting toward the right side of the line for many of his main plays instead of to the left, to receiving the ball from the quarter-back from another angle, and in general to an almost exactly opposite way of doing things from that to which he has been accustomed. From these observations it must be clear that while the duties of the various positions are just different enough to make it unwise to change players about, they are nevertheless so nearly alike fundamentally as to make it possible to deal with them as a whole, thereby saving much repetition and unnecessary explanation.

### QUALIFICATIONS.

The mental qualifications of a good back are first of all that he shall enter into his work with the proper spirit. Unless he has this spirit—that is, unless he is willing to subordinate his personal wishes to the general welfare of the team, and what is more, to do so heartily and enthusiastically—he cannot hope ever to be a great player, even though he have marked individual ability along every line of play. Team play is the essence of successful foot ball, and he who is looking first of all to his own interests will never make a "team" player; he will not contribute his share to the *esprit de corps* of the backs, and he will



T. L. SHEVLIN, ONE OF THE GREATEST ENDS EVER ON THE  
GRIDIRON.

never "fight" for all he is worth from the beginning of a game until the end.

Besides having the proper spirit he should be heartily co-operative; he should be full of aggressiveness both on the offense and defense; full of sand and grit, and imbued with a reasonable amount of judgment. Physically, a back should be compactly built, strong and quick, never slow nor clumsy, and should weigh anywhere from 170 to 190 pounds. Possibly now it is not necessary to have such heavy backs, owing to the fact that with the advent of the 10-yard rule the plunging game is not so essential. However, when the ball must be carried over the latter portion of the field by a limited number of men—the necessity for one heavy, powerful back to do this, must be evident. In earlier days, before the defensive side of the game came to be so well understood, and before special styles of defense were devised to meet special forms of offense—it was generally planned to have at least one of the backs a good end runner. This provision is, under the new rules, likely to become quite as important now as it once was, owing to the fact that push-plays may no longer be practiced with old time success. The defense has, however, mastered the end running game, unless indeed it consists of skillfully devised conception. The new rules have brought end running in again to a considerable extent. Hence, it is well for teams of to-day to choose for backs, those men who can as nearly as possible perform the task of the lineman of the past two or three years. If, in meeting these requirements, an end runner turns up—well and good. Finally, the back should have the knack of not getting hurt. Some men have this to a marked degree, and almost never get hurt, while others are equally unfortunate and are constantly being injured. As team play is dependent upon "drill," and that in its turn is dependent upon the individual, it is easy to see why an "immune" back is most desirable.

#### FUNDAMENTAL POINTS. \*

Too much emphasis cannot be placed upon the necessity for thorough drill in fundamentals. These fundamentals consist of falling on the ball, passing it, kicking, catching and carrying it.

"Falling on the ball," or, more properly speaking, falling around the ball, should be practiced while the ball is at rest, and then, while it is in motion, to the right, left, front and rear. In any case the player should be very careful not to dive at it in such a way as to dive the top of his shoulder into the ground, for a bad bruise or injury is likely to result.

Neither should he ever attempt to fall flat upon the ball lest he bring about an injury to his wind or his chest; instead, he



MCGOVERN, MINNESOTA'S CAPTAIN AND QUARTER OF 1909.  
Luxton, Photo.



should fall flat, either so that his weight shall be on his elbows or knees, or else so that his body at his waist is doubled up around the ball, which he shall hug closely with his arms and hands.

In diving for the ball the player should dive as closely to the ground as possible, thus preventing an opponent from getting under him. He should always see to it that his body is between the ball and an opponent. These points make for added safety and protection.

Backs should have enough practice in passing balls to feel thoroughly at home with them. This is especially true under the new rules. They cannot be sure of this unless they handle new balls, wet balls, old balls and dry balls, and unless they handle them incessantly.

Unless this is the case a team is likely to find itself without a kicker, perhaps in the midst of some important game. And the ordinary need for a kicker has been increased greatly by the changes in the rules, which make it necessary to advance the ball in gains of 10 yards in three downs, with only four men behind the line—which is, of course, a much slower and less powerful way than that practiced before. Here it is that a superior kicker can be of inestimable service to his team—since in no way can big gains be so quickly or easily made as through the kicking game. Therefore it is of the greatest importance that as many of the backs as possible should be good kickers, or at least punters.

Indeed a good kicking game, if successful, is certain to bring with it quicker and more frequent scoring than almost any other style of play. This is due, of course, to the enormous distances which good kicks cover, together with the consequent saving of time and energy. Even more attention should be devoted to catching, for almost nothing in foot ball may result so disastrously as a bad fumble in the back field. Unless a back is sure at catching, or shows signs of becoming sure, with practice and experience, he should never be allowed to attempt catching. Bungling work in the back field is the most demoralizing thing that can happen to any team.

Carrying the ball is the main function of the backs, hence the need of knowing how to carry it safely. This depends upon the way in which the ball is held. For end runs one end of the ball should be tucked under the arm—not too far under, so that it can be knocked out—while the other end should be firmly grasped and covered with the hand. In bucking, the ball should be held in the pocket formed by the stomach and legs, as the runner crouches, with both hands, though in case a back feels that he has the ball secure there is no reason why he should not use one hand to ward off opponents. In the case of end runs the



PAUL VEEDER, ONE OF YALE'S GREATEST KICKERS AND  
FORWARD PASSERS.

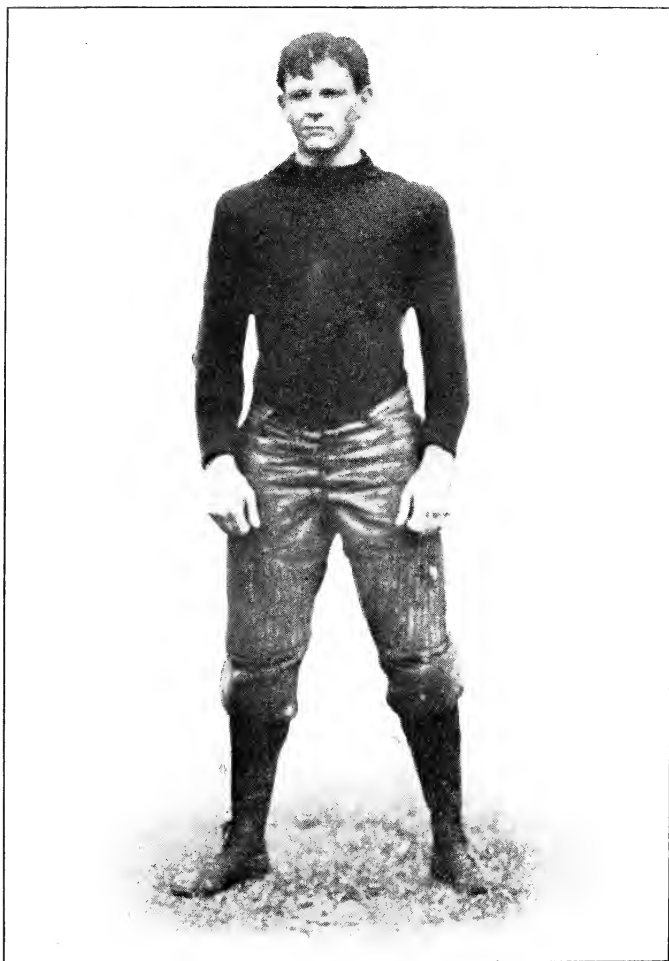
back should be prepared to ward off runners with either hand, changing the ball when necessary from one side to the other. And whether bucking or running, a back should never allow himself to loosen this hold on the ball, owing to the necessity of giving much attention to passing some particular opponent. The grip on the ball should be automatic and vise-like. Where a back is uncertain of his hold he may get good practice by bouncing a ball against a wall and then clapping it at once into position on the return.

It is of course necessary that the backs should tackle and interfere well. This means that they should both tackle and interfere low—the only difference between the two being that in case of a tackle the runner takes hold of his man, while in the interference he does all that the tackler does except take hold. A high tackler or interferer has no place behind the line, particularly in these days.

Finally, no back can be effective who does not start quickly. An offence which is so slow in reaching its object as to allow a concentration of opponents at that spot before the play hits is of course worthless. The attack must be quick and hard. For this reason the backs should constantly practice getting off quickly and getting up their maximum speed instantly. There are several ways of starting. Some backs stand in a crouching position, with one foot a little in the rear of the other, and with the knees turned well in. This enables them to start to the right or left or to the front without a moment's loss of time and with great initial power. Other backs assume a sprinting start. The sprint start position, with only one hand touching the ground, and that only sufficiently to steady the runner, is at the present time generally conceded to be the most effective. Both ways are good; in fact, any way is good that will enable a back to get off quickly and in any direction. The things to be avoided are a momentary straightening of the back at the instant of the start, and a short backward step. In case the latter step seems necessary the back should take his position with one foot back to begin with, thus making it unnecessary to take an additional one. There should be no backward motion of either foot.

In general, backs should exercise extreme care to prevent unevenness in starting. Starting too soon or too late is only productive of fumbles and offside play, to say nothing of the upsetting influence which it produces throughout the team.

Along with his fundamentals, every back should spend considerable time in learning the rules of the game. This part of the work is often entirely neglected, and much to the detriment of the individual, for how can a man play a game well or intelligently when he does not even know the rules governing the



GOEBEL, YALE'S GIANT GUARD OF 1909.

game? It is an altogether too common sight to see teams let opportunities slip through ignorance of the rules; indeed, such ignorance has on more than one occasion actually cost a team its game, and such neglect has even existed in some of the larger university teams.

A foot ball player is frequently called upon most unexpectedly, to decide instantly upon some question of the game, and just as frequently his decision or lack of decision enables him either to do the right or the wrong thing and thus either secure an added advantage or else precipitate an added disadvantage upon his side.

Every back should be absolutely familiar with the distinctions between a "safety," a "touchback" and a "touchdown." He should know what constitutes a "fair catch"—what a violation of it, and so on throughout the rules, especially as to the new rules relating to forward pass and kick.

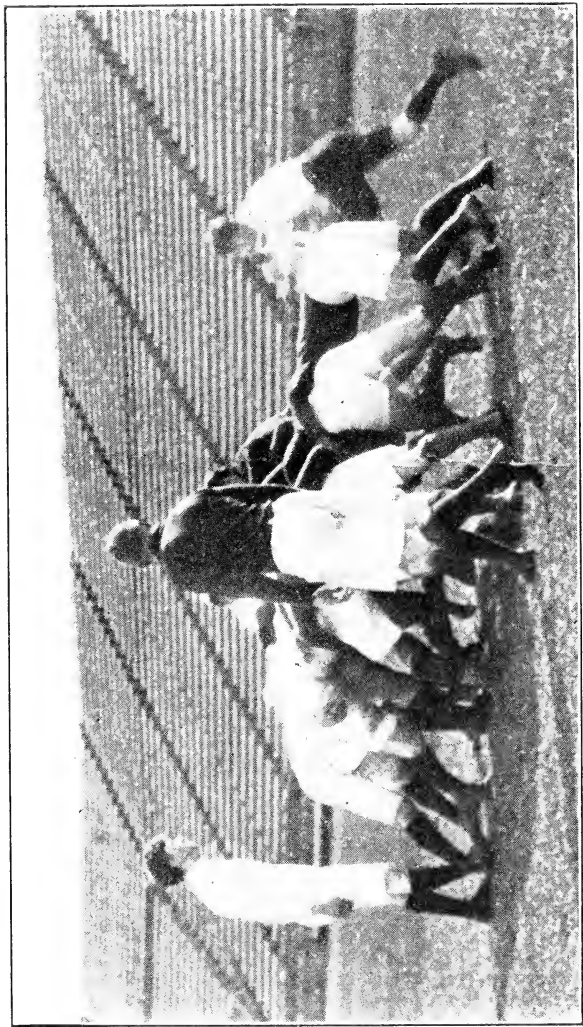
And after the rules have been mastered, a player should be told to make his play always, in case of doubt—and *then* refer to the officials—and under no consideration to stop because he hears a whistle blow or because he hears some one yelling for him to stop. A player can never make a mistake in carrying out this suggestion, and may, on some occasion, save himself a bad blunder through a misunderstanding.

#### OFFENSE.

The position of back is one of the most exhausting ones in all foot ball. At no other position is there so little opportunity for rest or let-up. It is go, go, all the time, first with the ball, then in the interference, then on defense. It is necessary, then, that a back should always be in the very best of condition, never overworked, always full of vigor and life. It is better to underwork a back than to overwork him.

Of the two half-backs on a team it is generally planned that one shall be a good end runner, the other a good plunger or buckler. Such an arrangement gives more all around possibilities to an eleven, particularly where there is an opportunity for broken field running.

On the offense the position of the backs will depend upon the style of game that is adopted. Sometimes they are played a full five yards behind the rush line, on other occasions they are played a scant three, while on still other occasions they form at even greater or less distance. The possibilities of formation are never ending, especially under the new rules allowing forward passing. When in position, and just previous to starting, the backs should take every precaution

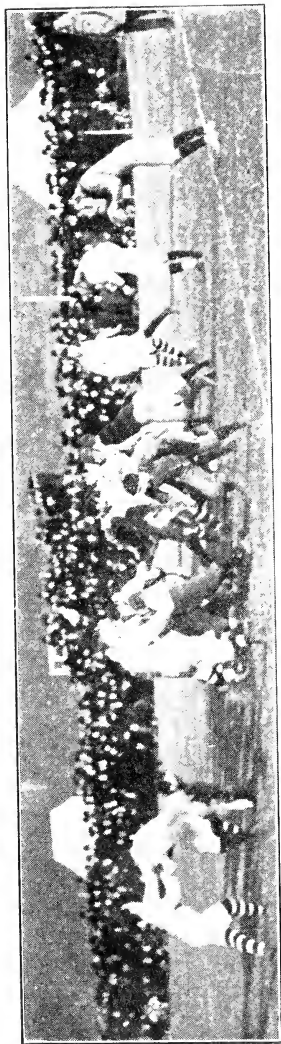


RUGBY BETWEEN A TEAM OF ENGLISHMEN AND A PICKED TEAM OF YALE PLAYERS OF THE AMERICAN GAME. THE "SCRUM."

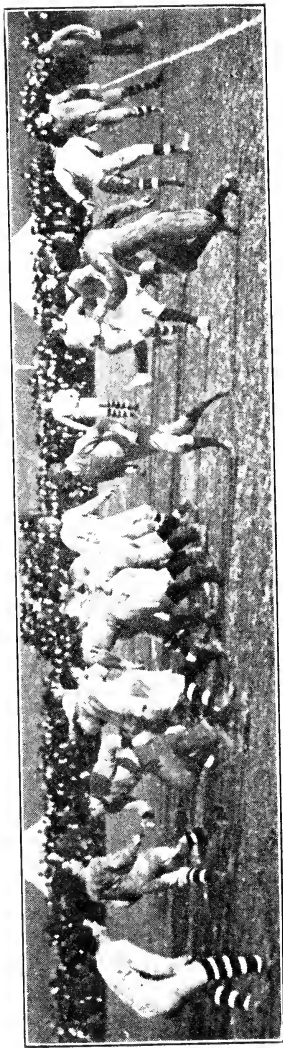
to prevent giving the direction of the play away by unconscious glances, movements or "leanings." It is also well for the back to save himself whenever he can from the nervous tension of prolonged waiting. Many backs subject themselves to some such strain by getting onto their toes several moments before the ball is to be put in play, or by not "letting up" at the call of "time." This may be avoided if the back will "key himself up" just at the last moment. But above all a back should be steady. He should never in all his play slow up for his interference, or even allow any other back to be slowed up by dilatoriness on his own part. He should start instantly and "dig"—never letting up an instant for anything. He should play with indomitable spirit. If he fails to gain the first try he should grit his teeth and *make* it gain the second.

In end running a back should be careful not to run too close to his interference when in case the interference is upset he is likely to fall over his protectors. Instead he should run with a little interval between himself and his interference, thus giving himself a chance to see where they are going and to take instant advantage of any upset. Where possible it is well for a back to run low so long as he can see where he is going, for by so doing he is likely to cause his opponents a moment's delay in locating him. When tackled he should aim to fall forward. To this end he should run with his body slanting forward, where it is exceedingly difficult for an opponent to overcome the combined power of gravity and the player's efforts. After falling, a back should never hold the ball out at arm's reach, as there is danger that it may be stolen from him.

In bucking, one of the very important points to be kept in mind is that of keeping the eyes open. A back who closes his eyes as he makes his plunge is likely to fall flat on his face when an opening in the line presents itself suddenly where he had expected to find the passage choked. A back should never allow himself to hesitate or slow up as he strikes the line, he should strike it while at his maximum speed. A back may run high or low, according to circumstances, particularly so long as he keeps his feet—a most valuable quality. It is also wise for the back to take short steps, as in this way he is not so likely to find himself too much spread out where the footing is hardly firm and where it is almost impossible to get his feet under him in case of some sudden shove or push. The legs should accordingly be bent as the back strikes the line, because in this way he is able to exert much lifting power in case of need. The arms and hands should also be used to make progress. Many backs lose much of their effectiveness because they utilize only a



CANADIAN RUGBY—MAN ABOUT TO KICK.



CANADIAN RUGBY—KICK JUST MADE.



portion of their power. The feet should ordinarily be kept on the ground, because only when they are there are they of much service. When, however, there is an imperative need of making a gain of a foot or so the back had best dive at the line—this being especially applicable to the full-back. Hurdling is now absolutely forbidden. When downed after a buck—or after any play, for that matter—a back should instantly straighten out so that there are no doubled up joints for succeeding players to fall upon.

In attempting line bucking the back should keep his chin close in to his neck, so as to prevent having his head twisted back over his shoulder, and he should also buck with the muscles of the neck held tense. This will tend to prevent bad wrenches of the neck and possibly injury to it. When in the midst of a line-bucking play which has resolved itself into a pushing contest between the two teams, the back should seek an outlet at the point of least resistance, usually to be found by feeling his way in different directions, and in general, a back should not raise his head until he has wholly cleared the secondary defense, as in this position it is very difficult for opponents to stop him, unless they have a clean chance for a tackle.

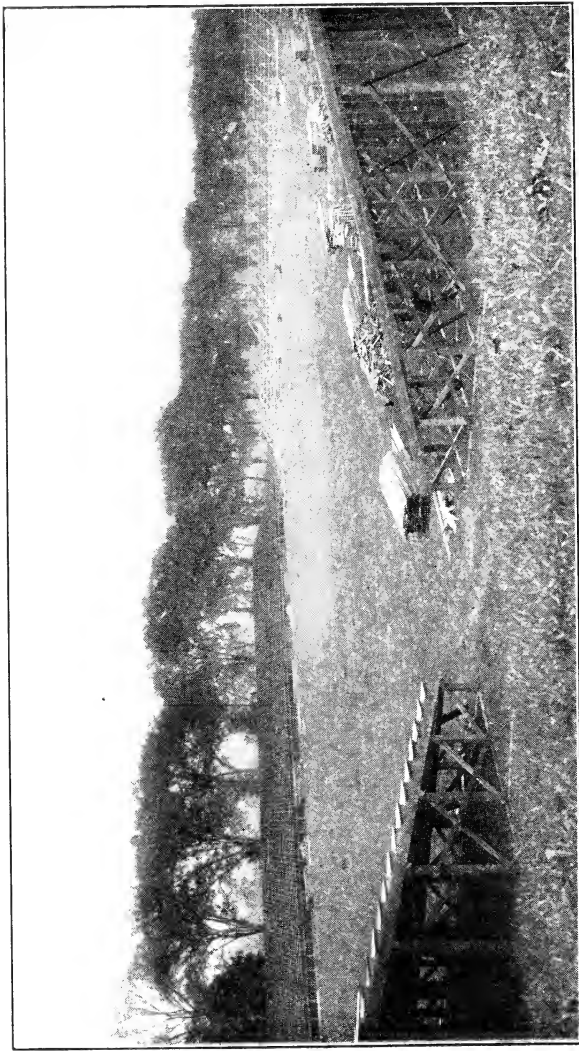
In case a back feels any doubt about the signal for a play, he should at once call out, "Signal." Otherwise collisions, fumbles and confusion will result. And no matter what a back thinks, he should invariably follow out the signal. The fault is not his if the play does not gain, but it is absolutely his fault if he does not go where he is directed. This rule should be absolute.

Another rule which should be invariably followed is that of never running back. It is a back's function to advance the ball. If he is unable to do so he should at least never lose ground.

If a back fumbles he should fall on the ball at once, never attempting to pick it up unless it bounces high. Attempting to pick up a fumbled ball is only making a bad matter worse. A back is responsible for the ball if it comes to him, and he should always remember that the possession of it is of the first importance.

It is the half-back's duty to afford proper protection to his kicker. He should afford it. He should also be reliable in getting any particular opponent who may be assigned to him to keep out of a given play out of the play. He should put his entire strength into every play and should always have his "nose on the ball." He should follow it everywhere. Mr. Forbes has hit the nail on the head in this respect when he says: "A man's value to his team varies as the square of his distance from the ball."

In the midst of play, whether on the offense or defense, the



CONSTRUCTING STANDS FOR ONE OF THE BIG FOOT BALL GAMES.

backs should seek to encourage each other by a word, a touch or a look. Such simple though effective aids to thorough sympathy and harmony between them should never be overlooked. A hearty word of confidence spoken immediately after a bad fumble or other blunder will always cause the unfortunate player to put new life and determination into his work, while a bit of cutting sarcasm will drive him to anger or else dishearten him. When off the field a back should never allow himself to make unfavorable comments on any of his fellow players, unless indeed it be to the coach or captain. Nothing is so likely to spoil relations among players as criticism—offered behind the back. Certain annoyances should be borne for the sake of the team, even though they may be at times very exasperating. When a fellow back or fellow player is injured and confined to his bed nothing will so contribute to hearty relationship as frequent calls and anxious solicitation for recovery.

#### DEFENSE.

On the defense the backs and ends will have much to look after. Each has his particular station behind the line, with its primary and secondary responsibilities. Just what these positions are, whether far from the rush line, near to it or in it, must depend upon the style of game that is being played. Suffice it to say, however, that all styles are planned to the same end—to stop opposing plays.

As a rule the backs are so distributed as to most broadly cover the possible openings at which opponents are likely to direct their plays. Consequently as the opponent's offense varies, so should the defense. Sometimes it seems well to attempt to meet opponents behind their own line, at other times to meet them at the line, and on other occasions still to meet them behind your own line. Again, a back is sometimes held responsible for a run around the opposite side of the line from that on which he is stationed, so that the various combinations of responsibilities, due to the tactics of any particular opponent, are never ending.

Ordinarily the backs are looked upon as forming a secondary line of defense. In such a case they must exercise great care not to get drawn into a play too quickly, and yet they should be equally careful not to wait too long before attacking the play. A back who waits too long is as bad as one who goes in too early. A happy medium is what should be aimed at, and it can be obtained only by constant practice and vigilant watchfulness. To exercise this vigilance the back must needs stand high enough to see where the play is going, and at the same

time not be so high as to allow of being struck by an opponent while in an extended position. The instant a back sizes up a play he should get as soon as possible to the point of attack, watching carefully for trick plays, short kicks and forward passes all the while. A back will seldom be fooled by such plays if he will always keep a close eye on straggling players, and remember that the ball, not the motion of any mass, indicates the point of attack. Once a back has decided to attempt to head off a runner or a play, at a certain point, he should get his eye on the man with the ball and keep it there, never losing sight of him, always keeping his position in the interference in mind and *never* allowing himself to attempt to see where he is going. That part of it will take care of itself. Such precautions as those just outlined will prevent most any back from being fooled as to the location of the ball—owing to a temporary relaxation of vigilance. And vigilance in these days of concealed methods and forward passing is exceedingly necessary. In attempting to stop end runs, and in fact in stopping any play, a back should never allow an opponent to hit him with his body; he should keep his opponent away with his arms. A back has no business to allow himself to get hit. In meeting heavy mass plays the back should either dive at the base of the head of the play, or in case he is too slow in getting there he should, if chance offers, seek to swing the head of the play to one side where the direct line of pressure is broken and where a momentary delay will give his own players a chance to down the runner before the opponents have a chance to reorganize. Many times one man can upset a play effectually, where had he tried to tackle one of the players he would have been thrown off or dragged along some distance further.

The question as to whether a back shall break through and attempt to tackle behind an opponent's line is a very difficult one to treat. Sometimes, where a back is strong on the defense and the opposing line is weak it is advisable. But where the opposing rush line is a strong one and particularly where it is stronger than your own it is certainly inadvisable. In such a case the backs should hold themselves as reserves rather than as of the rush line. Otherwise, in case an opponent clears your rush line, a long run is likely to follow.

In everything that they do, whether on offense or defense, the three backs should combine in every possible way with the quarter-back. The center rush, the three backs and the quarter-back should practice constantly together so as to get the purely mechanical work of their positions well ordered, and in a contest the three backs should keep the quarter-back constantly informed of weak places in the opposing defense, that he may profit by them when occasion demands. In a nutshell, all four

backs should strive for mental, moral and physical team play both on and off the field.

#### BACK-FIELD WORK.

In the back field, the main function of the backs is the handling of kicks, and it is one of the most trying functions of all foot ball. To have to catch a ball while one's opponents are in many cases standing within arm's reach like so many wolves ready to take advantage of the slightest slip up is bad enough, but when these conditions are augmented by the necessity of judging a high kick in a gale of wind, and remembering that a kicked ball touching the ground and going 20 yards past the scrimmage line puts every one on-side, they become well-nigh unbearable except to the coolest, most skillful and best drilled players. Such, however, is the trying position in which backs often find themselves on thirty or forty separate occasions in a single game. And worst of all they are severely censured where they fail of a clean record. A team can never know how much kicking it is likely to meet in any game until the game is on, and it can never know when the winning or losing of a game may turn upon the safe handling of a single kick. The possibilities of catastrophies are greater in the back field than in any other branch of foot ball play, and so it is imperative that only the most reliable men should represent an eleven there. The backs, then, cannot be given too much practice in catching kicks under every possible condition. They should practice with ends running down on them, with the wind against the kicker as well as with him, with a wet and dry ball. Furthermore, they should be given an opportunity to handle rolling, bouncing and twisting balls.

Under ordinary circumstances only one back is kept in the back field, although this year it is probable that two will be needed. It is his duty to handle all unexpected kicks and to tackle any runner that may get by the other ten players. He must be a sure catcher and tackler, and something of a kicker. This back may find himself on some occasion in the very trying position of being the only man between his goal and a fast opponent. When this is the case the back must, as a general rule, depend upon his own initiative for his line of action. No one else can lay it out for him. There are, however, one or two points which any back will do well to keep in mind. It is always a good plan to try to force the runner to take that direction that will bring him nearest to the side line, where it may be possible either to corner him or to force him out of bounds. There is little sense in undertaking to tackle a runner who has the whole field to manœuvre in, when you can reduce the field by two-thirds. Another point to be kept

in mind is that of never running at full speed at a runner whom it is your intention to tackle, especially when he has an opportunity to side-step or dodge you. This side-stepping is the easiest thing imaginable where the tackler bears down on his victim at full speed. It is frequently illustrated when ends overrun a full-back, who by a simple side-step eludes them and makes a good run. Instead, the back should run fast toward his opponent until he gets within fifteen or twenty yards of him, when he should slow up and get ready to respond to dodging, which can only be done when the back has full control of his body. And he should exercise great care not to be fooled by some false motion on the part of the runner. This false motion is usually given with the upper part of the body, and can only be detected by keeping a close watch on the hips, which will always give away the real tendency of the body.

In case it may at some time seem advisable to utilize the defensive ability of the goal tender, as we may call him, on the rush line, and consequently to put another man back there in his place, a sure catcher should be chosen even if he is unable to do much at open field tackling. The reasoning here is that where a back is given one opportunity to prevent a touchdown by a decisive tackle in the open field—which is frequently missed by even the best players, owing to the tremendous speed of the runner—he is given twenty chances to catch the ball where any one catch, if missed, might mean a touchdown. Under these circumstances it is of course better to provide for the common play rather than for the emergency. The goal tend should keep a sharp lookout for trick plays and where possible keep his fellow players posted by calling out advice which his distance from the scrimmage may enable him to give.

The moment the opponents give evidence of an intention to kick, one or two of the other backs should at once drop back to reinforce the goal tend. Care must of course be taken that the evidence is genuine before they go clear back, but once they feel sure of this point they should run back at full speed, looking over their shoulders about every ten yards to prevent the kick from surprising them, or else to be ready for a return to the line in case of a fake. Backs frequently loaf back to their position. This is all wrong; they should be either on the line or way back of it, with as little time as possible wasted in getting into either position. The distance of these backs from the rush line and their relative positions in the back field will depend upon circumstances. If the kicker is a good one and has the wind at his back they should of course play further back than if he is a poor kicker and has a stiff wind against him. The thing to be avoided is the danger of playing too

far back. This is a very common fault among novices, who dread having the ball kicked over their heads and who, in order to prevent such a catastrophe, play so far back that it is impossible for them to catch more than three out of five of the shorter kicks, owing to the impossibility of getting under the ball. It is better policy to take one chance in fifty of having a kick go over one's head for the sake of catching the great majority of them than it is to prevent a kick over one's head at the expense of having to handle them on the bounce, where the opportunities for gaining ground after the catch are *nil*. No ball should be allowed to bounce, for it puts the opponents all on-side. They should all be caught on the fly, and if balls are bouncing it shows that the backs are not covering the ground in a thorough manner. Quick kicks from formation are no longer a menace, for the new rule forbidding the kicker to be nearer than five yards to the line of scrimmage practically eliminates this feature.

Once they are the proper distance behind the line the backs should spread out in such a way as best to cover the territory in which the ball is likely to fall. To this end they should not stand too near each other or too near the side line. If they stand too near together they will overlap much ground, and if they stand too near the side line they will enable themselves to catch many balls which go in touch and which there is no need of providing for, while at the same time they will be unable to cover much important ground within the field. The backs should play far enough apart so that they can concentrate at any given spot in time to be of assistance to each other either in catching or in the interference. In case a strong wind is blowing at the kicker's back one of the backs should play a little in rear of the others in order to provide for a possible misjudging or for fumbles. Under ordinary conditions one of the backs should play well in front of the others in order to be ready for short kicks or other tricks. In case one of the backs essays a fair catch the others should be on the watch for a fumble. The best way to get practice on these various points is to put two sets of backs, with center, at work kicking and catching. Then a competition may be encouraged with the result that all the players become interested, and in the endeavor to win the competition give each other the best practice possible.

Whenever possible it is well to have ends run down under the kicks, thereby giving the backs every opportunity to catch kicks "under fire." Continuous back-field practice is very exhausting, so that it is well whenever much practice of this kind is undertaken to have alternate squads of players, thereby saving all of them from overwork. Should the backs become tired of the

practice and allow it to become lackadaisical, it should at once be discontinued, as carelessness in back-field practice is worse than none at all.

In preparing to catch kicks the backs should make every endeavor to get under the ball in time enough to enable them to receive it while they are standing still. To do this they must be able to "size up" a ball as soon as it rises in the air.

In running up on a ball the backs should also be careful not to overrun it, remembering that it is much easier to run up on a ball than to run back for it in case it is misjudged. Furthermore, in case a back who is careful to keep the ball in front of him misjudges it and it hits him in the chest, he stands a much better chance of recovering the ball as it falls in front of him than he would have if he overran the ball and it fell behind him.

While in the act of catching, a back should concentrate his entire attention on the ball, never attempting to divide it with the opposing ends. The plea that a back often advances for this tendency is that he is afraid of a bad fall just as he is completing the catch, or that he wants to see where the ends are, that he may dodge them more effectively, etc., etc. These excuses should all be denied on the ground that the possession of the ball is *the* thing. And in this connection it is just as well to say that in case a back fumbles in the back field he should fall on the ball at once. This point should be so drilled into the players that it will become second nature to them.

The moment a back has caught the ball he should turn his attention to his opponents, seeking how he can dodge them and run the kick back. In case he catches the kick in time to decide from his own observations in which direction to run, a back should experience little difficulty in getting off safely. But when the ball and the ends arrive almost simultaneously the situation is more difficult. In such a position the other backs should assist by a word or two. At first the giving of such directions will end in much confusion, but as the backs become more and more accustomed to each other this difficulty will disappear, to be followed by satisfactory results. Where a back is a good dodger he can often fool opponents by making a false start in one direction and then following it up with a real start in another. This ability is natural, and no coaching can develop it except where the player has in him the crude qualities.

One thing, however, every back can be taught, and that is that he shall never run back. Running back in back-field work is even more fatal than in ordinary scrimmage play. Another thing to be borne in mind is that under no circumstances can a back use his "straight-arm" more effectually than in the broken field running that forms such a big part of back-field work.



Here it is that opponents are usually few and the time comparatively long for shifting the ball from one hand to the other in order to do this warding off.

With this we may be said to have covered, after a general fashion, the topic embraced under the main title, and therefore to have completed this article. One thing yet remains to be said, however, and that is that no back who wishes to get the most out of these suggestions can hope to do so unless he first puts into himself the right spirit, and follows it up with staunch obedience to his training rules.

## Early Fall Practice

All the large teams nowadays are in the habit of doing some practice in the fall preparatory to the work in the line-up. This kind of practice, if properly organized, is of considerable benefit, but when it is merely disjointed and carelessly arranged it does little if any good to any one except the kickers. The same kind of work should be done in the spring, hence a description of fall practice should cover any kind of practice performed with the team when scrimmaging is inadvisable.

When the men turn out in the fall the squad usually includes several men who perhaps have not played on the team before and some very likely who have never been out trying for it. It is, therefore, advisable for the captain to have three or four of his coaches on hand and on the first day, or even preparatory to that first day, secure the names and addresses, also age and weight and probable position of each candidate. Then he starts off with a knowledge of what men he has, their relative weights and the position each man thinks himself best qualified for. It may prove, and very likely will, that he may shift the men from the positions they intended trying for to others, but he should start off with the probability that the men themselves know approximately what the capabilities are.

On the first day he should run his squad once or twice around the field for a breather and then break them up into organizations as follows: He should take his centers, quarters, and backs and separate them from his linemen, with the exception of the ends. He should then place, say at one end of the field, all his linemen, and if he has enough to make two groups of six, so much the better. As many groups of six as he has of linemen should be separated and put under the charge of a coach. Their work should then consist of charging on the snap of the ball, the coach giving the signals by standing with his hand on the ball and giving it a turn. He should then practice them all on falling on the ball, rolling the ball along and calling out the man who is to fall on it or taking turns at this. This should be done with each squad of linemen and with considerable moderation the first day, gradually working up to longer work. Then it is well to run each of these squads, say a quick run on the snap of the ball of twenty yards. Meantime, the other squad, consisting of centers, quarters and backs, grouped at the other end of the field, should be broken up into groups of fives, consisting of a center, quarter, two halves and a back. These men should be given a set of simple signals, covering a run around the end, straight line buck, cross buck and kick. The center puts

the ball in play after the quarter has called the signal and the men run through the play, moving the ball about four or five yards to the play, and thus proceeding for half the length of the field and then turn around and come back. On the kick it is not necessary to kick the ball, but the center should toss it to the full-back as he stands back in position for a kick. It is well to shift so that the backfield men get a chance with different quarters and also so that the quarters get practice with different centers.

The ends should be formed in a separate group by themselves and they should practice in the following manner:

Divide them into sets of four and separate them in pairs about half the breadth of the field across the field. Then let them start running down the field, passing the ball across from one pair to another, letting them take turns in catching and passing.

It will be found that this work is rather fatiguing and long before the linemen and the groups of centers and quarters have become exhausted in their work, the ends will have had plenty of running exercise. Then the ends should come in and change places with the half-backs, while the half-backs, in groups of four, run down the field, throwing the ball the same as have the ends. Then certain of the ends should go in and take the position of quarters, to get practice in handling the ball, while a portion of the half-backs and backs go out and practice kicking and catching long punts.

In this practice it is well to have two centers detailed to go out and pass the ball back for the kick.

When the men have become somewhat hardened up, it is wise to have the tackles perform the same work as above outlined for the ends, that they too may become accustomed to catching and throwing the ball. Furthermore, if the track trainer is available it would be excellent to have him take hold of the big linemen a little at this season of the year and teach them to start quickly. Always bear in mind the fact that they should start principally from a crouching position, being well over their feet, and shooting forward and up at the same time.

It is customary in spring practice to have prizes for kicking, both drop-kicking and punts, for distance and accuracy. It is also a good plan to have prizes for distance and accuracy of forward passing. It is not a bad thing to add to this, as a finale, two foot races, the contestants each to carry a ball. If this is attempted, the backs, ends and quarters should form one group, and here it will be necessary to run the race off in heats, the distance being fifty-five yards, while the tackles should form another group, the distance for these being forty-five yards; the guards and centers a third group, the distance for them being

thirty yards. Bear in mind that each man should carry a ball, and if he drops the ball he is disqualified.]

Considerable care should be taken in the early part of the fall practice, as well as in the early part of the spring practice, not to overwork the men in the first day or two, particularly if they are not in the best of condition. The time for the first day should be short and not energetic, but after a few days every part of the practice, even though short, should be snappy, and accuracy should be insisted upon. If a squad, for instance, of center, quarter and backs are fumbling the ball they should be called down and be sent through a dozen plays, with instructions not to fumble a single ball, to even go slower, if necessary, and then after performing properly a dozen times they should be speeded up again. Great insistence should also be placed upon accuracy of the punters and no carelessness or looseness in catching these punts. Every punt should be caught and not carelessly fumbled, for whatever habits are instilled then will probably hold later on.

There are certain times later in the season when a little morning practice is very advisable for individual men on the team, especially those developing faults or needing some correction. This is apt to be particularly true of centers in their passing and quarter-backs in handling the ball. Fortunately this is the easiest kind of a combination to work because the two men can get together on any spot near their rooms and work out for half an hour or so in the morning. It is necessary also to see that they do not practice too long or get too tired of the monotony, as they will perhaps if they have this morning practice and play full halves in the afternoon.

If room can be obtained it is well to give the backs practice in kicking and catching at certain times during the season in the morning. This is especially necessary in place-kicking goals, drop-kicking and practicing long on-side kicks and forward passes. Where the field is far removed from the university or school, facilities for morning practice can usually be obtained nearer at hand, although with some inconvenience.

## Signals

BY ROCKWELL AND HOGAN,  
Quarter and Tackle of Yale Team, 1902.

The first essential in any system of signals is simplicity. An intricate and complicated system always militates against the team using it; the quarter is troubled in framing his signals and the speed which should accompany successful play is impossible. The confusion and uncertainty of the quarter affects the other members of the team; they do not jump into the plays with the dash and vim which characterize a team confident of its signals and receiving inspiration from the knowledge that the whole team is working on the same play. It does not follow because your system is simple, that your opponents will make it out. The chances are very much against their doing so, and while they take their attention from the play to watch your signals you gain such advantage over them as will enable you to push your plays so successfully as to give them something else to think of save your signals. Yet in spite of the extreme improbability of discovering your signals it may happen that your team will be discouraged and its play materially affected by believing that your opponents are playing its signals. So, in all the systems given in this article, provision is made for a change, which should be made immediately in such a case; a change which is in keeping with the simplicity of the system and yet sufficient to regain the confidence of your team.

In any system of signaling there are always two considerations: the quarter, or whoever calls the signals, and the rest of the team. The system should be such as will enable the quarter

to give the plays quickly and accurately. There should be no hesitation whatever on the quarter's part. He should practice calling off the plays to himself until he has every one in his control and can use any of them when he needs it. Not only should there be no hesitation on the part of the quarter, but the rest of the team also should grasp the play as soon as it is called. The play originates with the quarter and so is perfectly evident to him, but it should also be clear to the team just as soon as the signal denoting it is given. Very often you will see the quarter call the signal and then wait till the rest of the team understands it before receiving the ball from the centre. There should be no wait. The system should be one to enable the whole team to get the play immediately the signal is called. On the speed with which the ball is put into play depends to a considerable extent the success of the offensive work of the team and, therefore, it is most essential that there should be no unnecessary delay after the signal is called. All the systems taken in this article have those ends in view. They have all been tried and found to conform to the demands of any situation.

For the sake of clearness the different systems are numbered as Code I, Code II, etc. In the diagrams the black solid square denotes the player taking the ball; the heavy, continuous line the direction which he takes; the zig-zag line shows how the ball reached him and the dotted lines the directions taken by the other players, save the one carrying the ball. The dotted squares indicate changes in position assumed by the players in such a play as a wing-shift, etc.

To indicate the positions the following abbreviations have been adopted: L. E., left end; R. E., right end; L. T. left

tackle; R. T., right tackle; L. G., left guard; R. G., right guard; C., center; Q., quarter-back; L. H., left half-back; R. H., right half-back; F. B., full-back.

For Code I a letter system is taken, having as a base a word, or combination of words, containing either ten or eleven letters, in which the same letter does not occur twice. It may be either ten or eleven, as the center may or may not be denoted by a letter. Such words as f-o-r-m-i-d-a-b-l-e, d-a-n-g-e-r-o-u-s-l-y, i-m-p-o-r-t-a-n-c-e, or combinations like p-r-i-v-a-t-e-b-o-d-y, c-h-a-r-g-e-d-w-o-r-k, c-o-n-v-i-c-t-l-a-m-p—any word or combination in which the same letter does not occur twice and which has ten or eleven letters. Take the combination H-a-n-o-v-e-r—C-i-t-y, and beginning with the left end give each position a letter.

**H A N O V E R C I T Y**  
**L.E. L.T. L.G. C. R.G. R.T. R.E. Q. L.H. F.B. R.H.**

The letters H, A, N, V, E, R, stand for holes thus:

**H**—Means end run around your own Left End.

**A**—Means play through Left Tackle, either inside or outside his position.

**N**—Means play through Left Guard.

**V**—Means play through Right Guard.

**E**—Means play through Right Tackle, either inside or outside his position.

**R**—End run around your own Right End.

It will be found easy to add other signals to indicate further plays based upon the above as forward passes and on-side kicks.

Let the first letter given in the signal indicate the player who is to carry the ball and the next letter the hole or direction in which the ball goes. For example, let the letters called in the signal be: I, A. The play indicated is the Left Half-back through Left Tackle. Naturally the quarter would call more letters than those merely required to denote the play, so this signal might run in such a way as. "I—A—B—C—D." The last three letters only helping to prevent the signal from being discovered. The following is a diagram of the play:

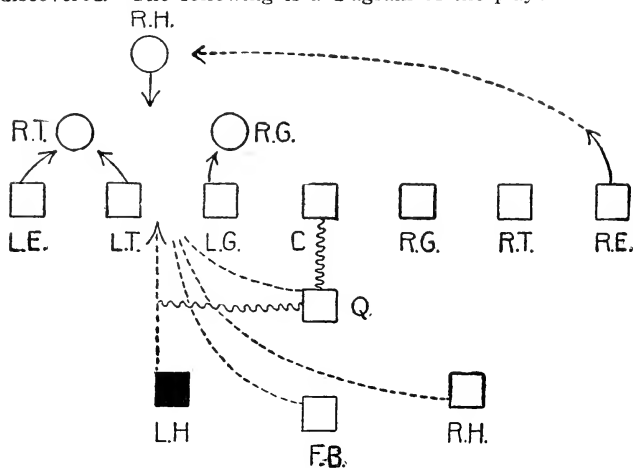


FIG. 1.

Your L. T. and L. E. push the opposing R. T. (designated in the diagram by a circle) back. Your L. H. follows straight behind your L. T. with the Q., F. B. and R. H. to make the play safe. The linemen charge straight at their opponents with the exception of the R. E., who goes in front of his own line and tries to take defensive back.



Let the signal given be: "Y—E—A—R." The play is the R. H. through R. T. Fig. 2 shows the play.

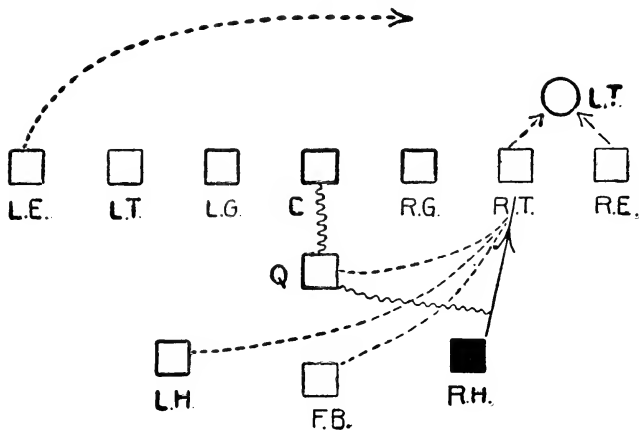


FIG. 2.

Here your R. T. and R. E. push the opposing L. T. back and the L. E. runs in front of his own line, as did the R. E. in Fig. 1, and takes defensive half. For the duty of the other men see the explanation after Fig. 1.



Suppose the signal is: "T—N—O—K—B." The play is the F. B. through L. G., as shown in Fig. 4.

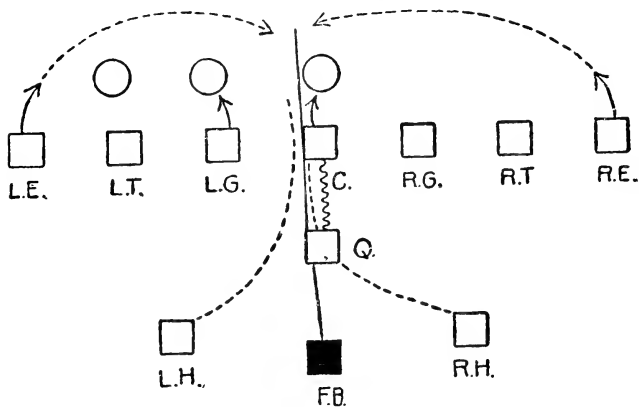


FIG. 4.

This play is exactly similar to that shown in Fig. 3 save that the L. G. and L. T. are the men who make hole by pushing the opposing R. G. out of the way.

Suppose the signal called is: "I—E—D—C—B." The play is the L. H. through R. T., a cross-buck. Fig. 5 shows the play.

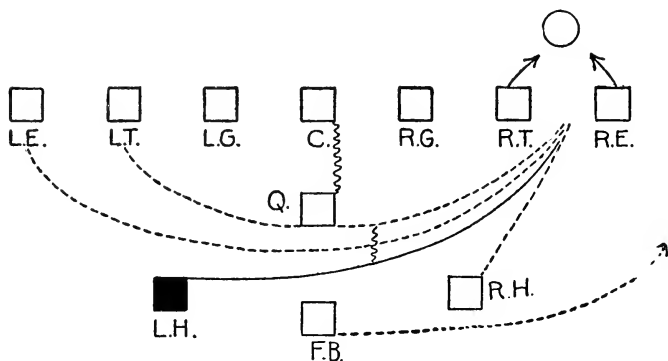


FIG. 5.

In this play your R. T. and R. E. get the opposing tackle out of the way; the R. H. goes straight into the hole, the L. H. carrying the ball next; then the Q. and L. T., who take to the outside, while the L. E. follows the play—he makes it safe, watches for fumbles; the F. B. runs straight out from his position and keeps the opposing L. E. from getting the play.

Let the signal be: "Y—A—R—D—S." This is your R. H. through L. T. The L. T. and L. E. make the hole; R. T. and R. E. follow around outside. Fig. 6 shows this play, which is the same as that in Fig. 5, only on the opposite side of your line.

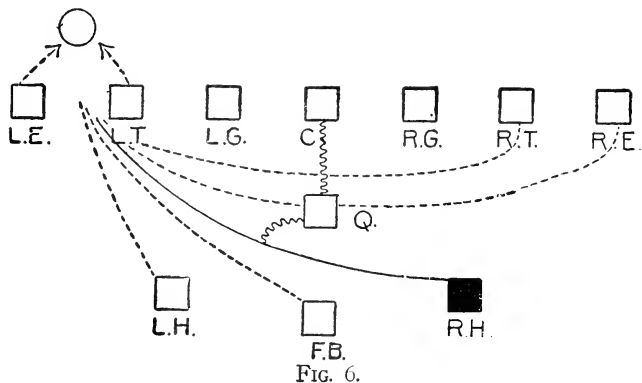


FIG. 6.

Let the signal be: "Y—H—A—B—K." This is your R. H. around your L. E., as shown in Fig. 7.

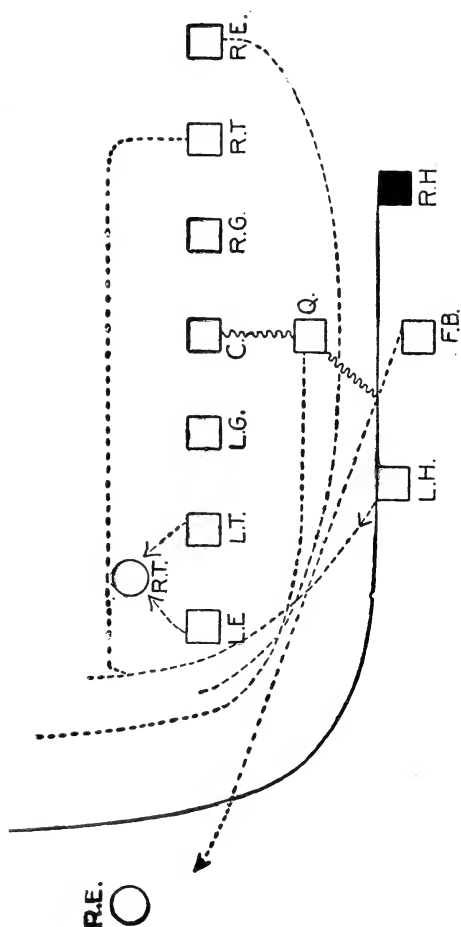


Fig. 7.

Your L. T. and L. E. carry the opposing R. T. back, as they did in Fig. 1; the F. B. keeps the opposing R. E. from the play; the Q. and L. H. precede the R. H. and form his interference; the R. E. comes back of his line, makes the play safe; the R. T. charges ahead at first, then, passing in front of his line, meets the defense on the other side. The signal for the same play on the other side would be: "I—R—S—T—N." Fig. 8 shows this play.

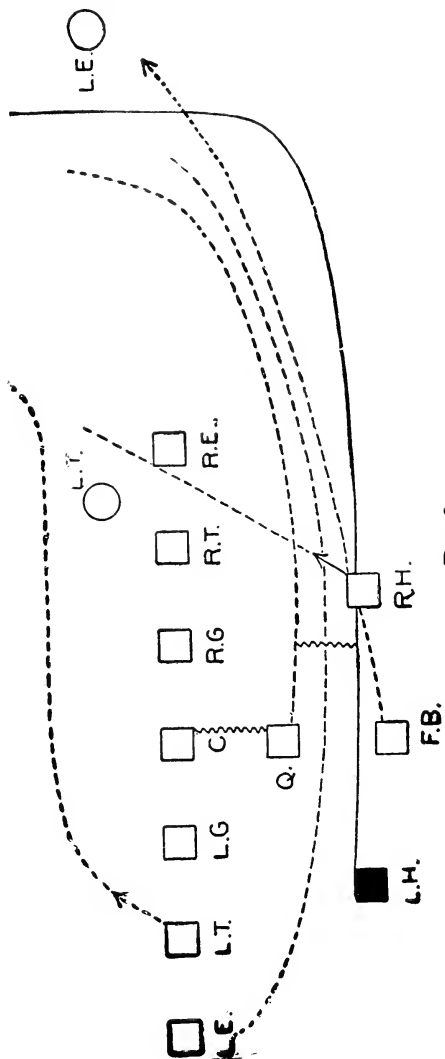


FIG. 8.

In case you wish your R. T. to carry the ball through the opposite tackle the signal will be: "E—A—R—L—Y." This play is shown in Fig. 9.

R. E.

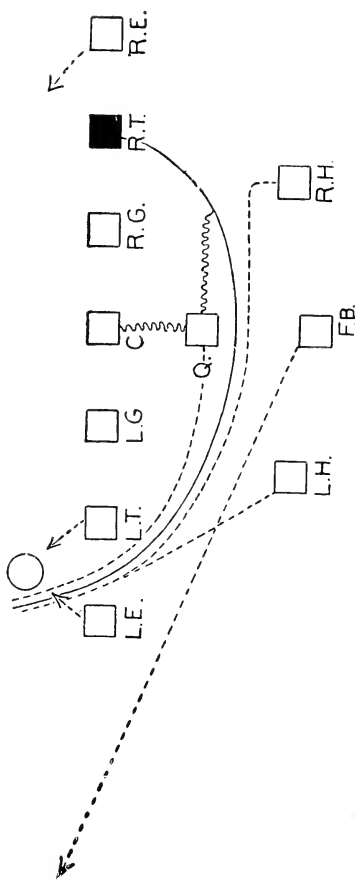


FIG. 9.

In this play your L. E. and L. T. charge the opposing tackle-back; L. H. goes straight into the hole thus made; the Q. makes play safe by following; the R. E. should prevent the opposing L. T. from following your R. T. As soon as the latter leaves the line he should step into his place and keep his opponent from chasing the play around. The F. B. should prevent the R. E. from getting the play, just as he has done in Figs. 7 and 8.



The signal for the L. T. through R. T. would be: "A--E--D--H--I." This play is the same as that shown in Fig. 9, only on the other side of the line. It is made sufficiently plain in Fig. 10.

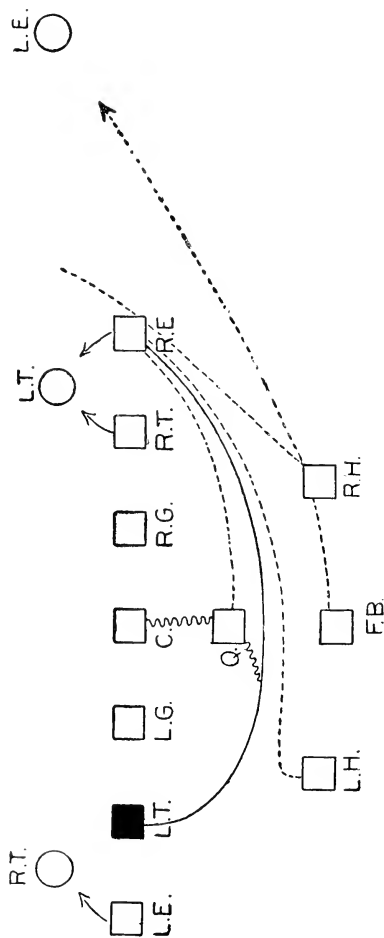


FIG. 10.



the plays which every team must be absolute master of. They may be played in every part of the field and on their success depends to a great extent the success of your team.

The following diagrams illustrate plays intended to puzzle your opponents and which they may not be prepared to meet. However, they should not be practiced until your team has mastered the simple plays. Too often will a team depend for success on tricks and fancy maneuvers, neglecting the steady, straight foot ball that is the hardest to withstand when played properly, only to be doomed to disappointment as a result.

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## A SIGNAL FOR A WING SHIFT

(USING CODE I.)

The Quarter may call out "Formation A," if the play is to go on the left of centre; "Formation B," if the play is to go on the right. (See Fig. 12.) Then, either the regular signal for an end run or a signal for a quick drive into line following a feint at an end run. (Fig. 13.)

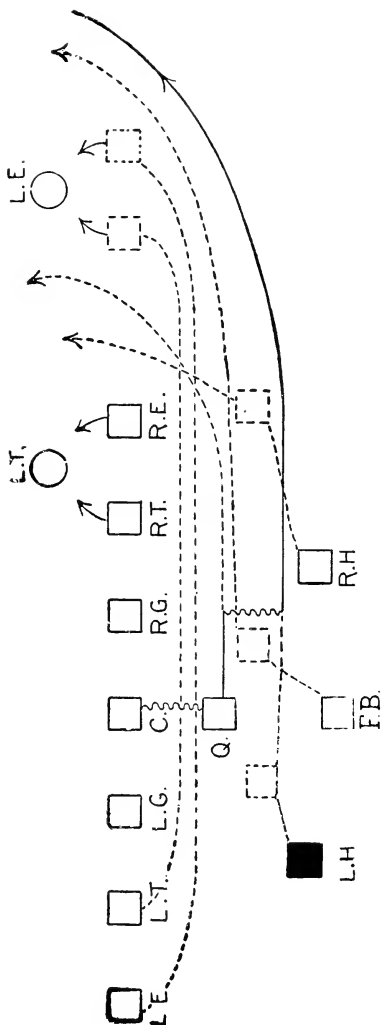


FIG. 12.

This signal might be "Formation B"—"I-R-T-C-K." L. E. and L. T. wheel over against opposing L. E.; at the same time the backs alter their positions, as shown in the figure by dotted squares. L. H. receives ball from Q. as in Fig. 13.

The success of the play depends upon the quickness and speed of the man carrying the ball. Whether successful or not, it will tend to spread out and "open up" the opponent's line. Then signal for the same formation and send the F. B. into the line.

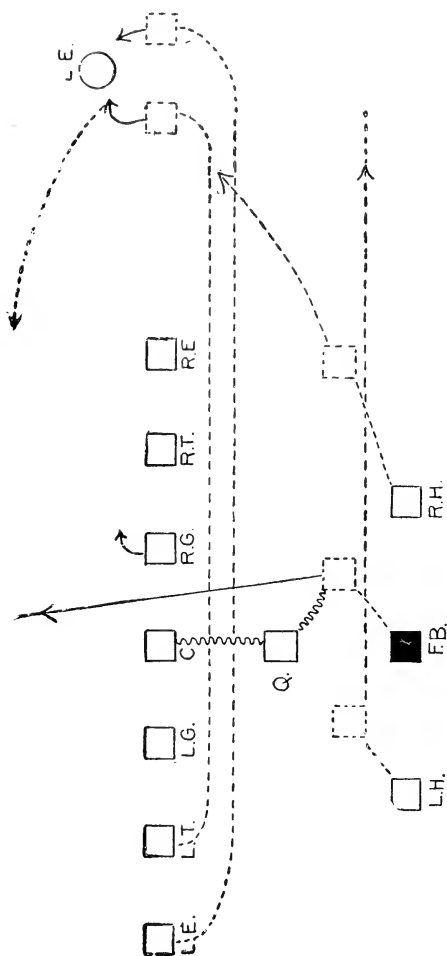


FIG. 13.

This play to be used after having used that in Fig. 12. The R. H. and L. H. start toward the right; Q. pretends to pass to L. H., as in Fig. 12; hides ball; then passes to F. B., who dives between C. and R. G. The signal might be "Formation B"—"T—V—Y—O—K."

The team lines up in regular formation as in Fig. 1. The signal given, the line sidestep to the right two positions, as in figure; the L.T. then becomes centre, Q. and L.H. keep their position while the F.B. and R.G. alter position with the line men. Now, we have seven men on our right wing, as opposed to four of our opponents. The play can be a cross buck, as in Fig. 5, or an end

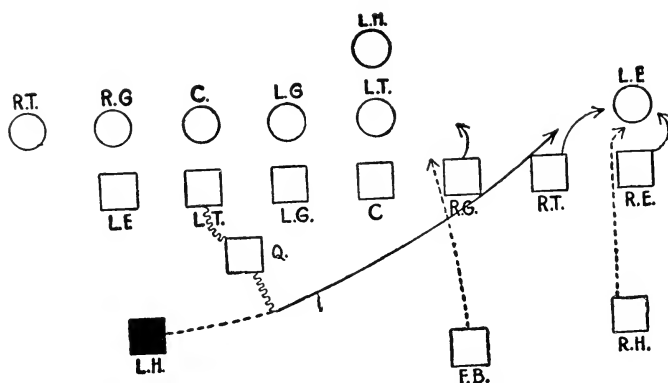
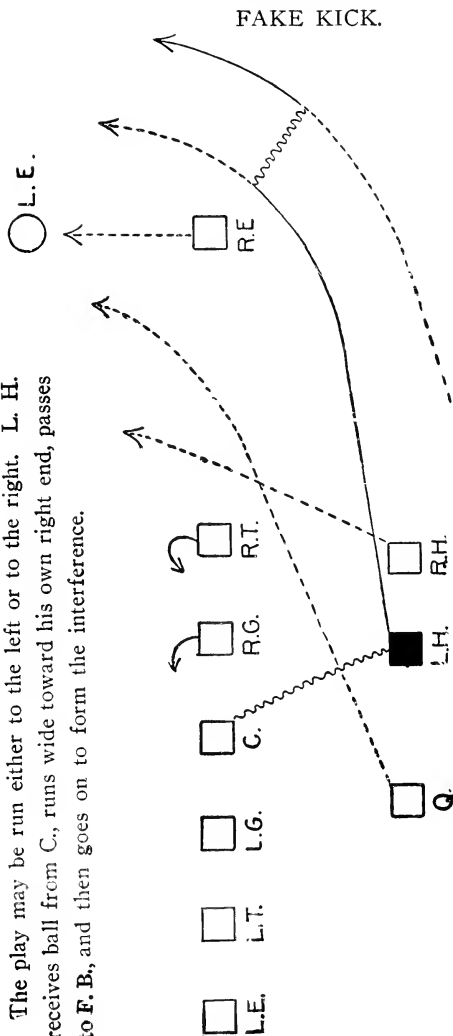


FIG. 14—WING SHIFT. 2ND METHOD.

run, as in Fig. 8. Whatever the play used it is absolutely essential that the play start the instant the shift is made. To perfect this play, both tackles should be drilled in passing the ball to the quarter. Thus, the shift can be ordered either to the right or left, as the case may warrant. There should be daily practice by the entire line in this quick change of positions, so that when the signal is called the play may be executed like a flash.

The play may be run either to the left or to the right. L. H. receives ball from C., runs wide toward his own right end, passes to F. B., and then goes on to form the interference.



The signal might be "K," and it would run: "F--K--E--S--D." The F. B. would drop back as for a kick and take the ball from the L. H. at the point indicated in the diagram.





If the Q. at any time thinks it desirable to change the manner of calling the signals, he may readily do so by having the signal start with the second, the third or the fourth letter, or by not having the signal start till he has called some letter agreed on that is not in the key and is not used in the plays.

## CODE II.

### A COMBINATION OF LETTERS AND NUMBERS.

Let the F. be the hole between guard and center; H., the hole between tackle and guard; K., the hole just outside tackle; B., end run.

As each letter taken separately stands for the two holes, i. e., F. would mean either the hole between R.G. and C. or L.G. and C., so some method must be adopted to signify which hole is meant. Now, if the signal starts with an odd number, the hole on the left side of center is meant; if it starts with an even number, the hole on the right side is to be the outlet for the play. For example, the signal "3—B," etc., means and end run around your own left end; and "6—B," etc., means an end run around number to the training table early in the season, but make it your own right end. Therefore "3—B," etc., will always mean an end run around your own left end and the right half-back will carry the ball. So the completed signal will be: "3—B—4—M." The number 4 and the letter M mean nothing. The complete signal for the left half-back to carry the ball around your own right end would be: "4—B—H—X." Since the signal starts with an even number it shows that the play is to go on the right side of center and the letter B signifies that the play is an end run.

This code contains but the simple ordinary plays used by every team during the first weeks of practice. There are ten plays in all, not, however, including the kick, and are as follows:

L.H. run around R.E. ....	4—B
R.H. run around L.E. ....	3—B
L.H. dive through L.G. and L.T. ....	7—H
R.H. dive through R.G. and R.T. ....	12—H
L.H. cross-buck just outside R.T. ....	14—K

R.H. cross-buck just outside R.T.....	7—K
F.B. dive through R.G. and C.....	6—F
F.B. dive through L.G. and C.....	9—F
L.T. run just outside R.T. ....	2—6—K
R.T. run just outside R.T. ....	3—11—K

It will be noticed that the L.H., L.T., R.H. and R.T. carry the ball through the same hole (K). Whenever the L.T. is to carry it the signal will start with two even numbers and whenever the R.T. carries the ball, with two odd numbers. Thus:

Signal: 4—8—K—5—Y. (See Fig. 10.)

Signal: 2—K—9—B. (See Fig. 5.)

Signal: 3—7—K—4—R. (See Fig. 9.)

Signal: 9—K—2—M. (See Fig. 6.)

Signal: 4—B—11—X. (See Fig. 8.)

The absence of letters from signal might indicate a kick; thus:  
4—6—7—11. (See Fig. 11.)

### CODE III.

#### A SYSTEM OF NUMBERS ILLUSTRATED.

In this system it will be seen that the even numbers are plays on the right of center and the odd numbers are plays on the left.

4. L.G. ....	through	.....R.G.
5. R.G. ....	through	.....L.G.
6. L.T. ....	through	.....R.T.
7. R.T. ....	through	.....L.T.
8. L.H. ....	around	.....R.E.
9. R.H. ....	around	.....L.E.
10. L.H. ....	cross-buck through	.....R.T.
11. R.H. ....	cross-buck through	.....L.T.
12. R.H. ....	straight through	.....R.T.
13. L.H. ....	straight through	.....L.T.
14. F.B. ....	straight through	.....R.C.
15. F.B. ....	straight through	.....L.C.
16. L.E. ....	run around	.....R.E.
17. R.E. ....	run around	.....L.E.

Kick: any number over 300.

Now, let the second number given be the key number, the number which represents the play. For instance:

Signal: 6—8—9—27—4 (See Fig. 8.)

Signal: 5—12—21—7 (See Fig. 2.)

Signal: 8—13—42—9. (See Fig. 1.)

Signal: 5—15—8—2. (See Fig. 4.)

Signal: 6—11—43—8. (See Fig. 6.)

Signal: 357—952. (See Fig. 11.)

Etc., etc.

In the last two codes the quarter may readily change the key number at any time and so be certain that his signals are unknown to his opponents.

## A SEQUENCE OF PLAYS

It frequently happens that a team, especially a school team, will have one man who has clearly outplayed every opponent he has faced and upon whom the quarter may depend when there is a distance that *must* be gained. Under such conditions a team should have a sequence of plays, i. e., three or more plays previously committed to memory, to be executed in quick succession without a signal. Assuming that the tackle is the steady and reliable man, then, select three or more plays through his position and constantly practice them as a series without any intermission.

A sequence of five plays illustrated:

In Code III.—The second number the key:

6—(12)—28—4. (Fig. 2.)

5—( 6)—21—9. (Fig. 10.)

2—(10)—7—5. (Fig. 5.)

7—(10)—42—8. (Fig. 5.)

8—(11)—29—6. (Fig. 6.)

If the first four plays are successful the opponents will naturally shift over, to try and "brace up" the weak spot, and the last play is intended to surprise them and is, therefore, sent on the opposite (left) side of the line.

## WHEN TO USE THE SEQUENCE

The best time to employ the sequence is in the opponent's territory about twenty-five yards from the goal, when quickness and speed of plays used is so essential to success. Then, too, it is highly probable that the "cheering" makes it hard to hear the signals.

There are various ways to signal the sequences, but a simple and effective way is to have the quarter make some such remark as this: "There's only twenty yards to go, fellows; *stay together now!*" This would mean that the next signal was the first of the sequence and that it would be played without any more direction from the quarter-back.

Too much emphasis cannot be laid on how essential to your team's success is a thorough knowledge of the signals. Every player should know just what he is to do in each play; the very instant the signal is given, he should recognize the play and determine to do what is expected of him. The players, apart from the general practice, should repeat the signals to themselves and get familiar with their individual duties in each play. Confidence is almost essential to success in offensive work, and a team can have but little confidence in its ability to advance the ball till every one has thoroughly mastered the signals.

## Training for Foot Ball

BY MICHAEL MURPHY,

Director of Athletics University of Pennsylvania.

The days of the extremes of training, both in foot ball and other sports have, at any rate for the time being, gone by. The old-fashioned notion that men must be deprived of everything they wanted for their comfort and go through a period of actual physical suffering has been exploded. Young men, and particularly college men, do not need the severe regimen adopted in the old days, when training was confined only to a certain class and that class one indulging in all sorts of dissipation between times. For this reason treatises on training can be far more brief than in the times when the exact percentage of food stuffs was figured out to a nicety. Moreover, foot ball is one of those fortunate sports which comes at a season of the year when the weather, except in the very early part of it, is not exceedingly hot, but rather bracing, and unless there is something radically wrong with the man, as a rule, during the foot ball season, his appetite should in the main improve.

It is really the nervous tension which has come to be great and it is to the relief of that nervous tension that many of the best friends of the game are looking in hopes that alterations in the rules may improve this condition.

The great majority of the players are not affected by this, but the captain, coach and quarter-back usually pass through periods where the worry is quite extreme, and while it makes little difference to the coach it does affect the captain and quarter-back very materially and with these men, the greatest problem of the training season is to see that they pay less rather than more attention to the sport and get some relaxation at periods.

The general physical condition of the men is in these days looked after both by the trainer and by competent surgeons, so far as injuries are concerned

The problem of how much work a man should do and when he should work is one of general consultation between coach, trainer and captain—the trainer's opinion being in the main accepted as final—and as a rule this trio make satisfactory decisions. Sometimes a man is found who is able to deceive all three as to his condition, but not often, and, moreover, such men are usually men whose personal idiosyncrasies are known.

One of the most difficult points in training a foot ball team is to keep them steadily progressing and not have a slump at some disastrous period during the season. Men differ so greatly individually that the accepted method of working the men nowadays is to watch these peculiarities and not try to judge all men by the same rule, but to lay off first one and then another as occasion demands, giving them all an opportunity for sufficient practice, but forcing no man to work too long.

It takes a good deal of time to teach a man modern foot ball and he has to go through a certain period of steady work before he combines the necessary knowledge with the skill; hence an especial reason for consistency in carrying out training development. Foot ball men all need quickness and the work should be devoted to short periods of snappy play rather than long periods which get the man into the bad habit of playing slowly because he is tired.

A foot ball player beyond all else needs to have a sort of superfluous energy to draw upon at the time of his match and to exhaust this is to make a very serious mistake. The men should, therefore, be very carefully watched in order to see that the work is not at the expense of this energy, which must be called upon at a critical time. No man should find himself in a game without a feeling that he would at least like to make a touchdown whether it is possible or not, and the making of touchdowns is practically impossible if the man's physical and mental condition is such as to leave him without desire to do so.

The first problem in the season that faces captain, coaches and trainers is that of making selection from a great mass of material. This material will be scattered over three or four different

fields and in all sorts of physical condition, as some men take care of themselves during the summer while others do not. A coach may easily be deceived by lack of condition in a man who, when in shape, would play a strong game. For this reason critical watching and very likely some inquiry as to the past performance of the man is very advisable. As soon as the material has begun to be sifted it becomes necessary to sort out a part of it for the 'Varsity, but it is wise not to take a great many men to a training table early but make this rather a reward of merit in a way, at the same time taking possibly the absolutely sure men who are not likely to have the best of living otherwise.

All this matter is a question of judgment and a little study and reflection on the subject is returned many times over in the results later in the season. It is hardly worth while, although I know it has been adopted by some trainers, to put men who are going to play foot ball through special courses of gymnastics, unless it may be for some special weakness of the individual. It is certainly a good plan for foot ball men to be handled by a track trainer in learning to start quickly. Gymnasium apparatus, however, is not proving very successful for general teams. A little setting up work in the early part of the season is often a good thing and some running, but after the season is once under way the men have plenty to do without taking these special exercises, except it may be to reduce the weight of a man who is very heavy. Running around the field for men who are temporarily laid off, and for the whole squad in the early part of the season, is a good thing.

Another great problem is to keep enough backs and, since the introduction of the new rules, bringing in the on-side kick and forward pass, ends as well, to last through the season. The backs are usually lighter than the forwards and being given a good deal more of the running work to do (and this is particularly true under the new rules where the men behind the line will have to do a good deal of line hammering without heavy interference) is rather apt to call for all the material that a coach and trainer can keep going. And even then at the end of the season the good men are scarce. The first part of the season the practice ought to be very short—

four or five minutes—and the team worked up to longer periods as the weather grows cooler and they improve in condition. By mid-season they should be able to play two fifteen-minute halves with ease, and if possible a fifteen and a twenty-minute half. By November they should be able to stand a slightly longer period in order that by the time of the big games they may be able to go the necessary two thirty-five minute halves.

As to protectors for the players, it is well worth while to use such protectors as are likely to save the players from injury, but of late it is feared too much has been done in this way so that the players were rendered rather less plucky, and, moreover, in some instances were probably made tender. Under the present rules the doing away with the heavy head protectors will be a great step in advance and will probably save many injuries. Nose guards are rather difficult to breathe through, but properly arranged are not dangerous. Protectors for the thigh and shins are good things and if a man receives an injured shoulder some kind of protection there is also advisable.

So far as foot ball is concerned a strict diet is not essential, but the men should not be permitted to smoke, nor should they be given alcoholic drinks except for medicinal purposes or when a man is very tired. The living should be plain and substantial and every effort made to have his training table attractive and the food appetizing.



# Schedules for 1910

## WEDNESDAY, SEPTEMBER 21.

Western Maryland College vs. Visalia A. C., at Westminster.

## SATURDAY, SEPTEMBER 24.

Bates College vs. Exeter, at Exeter.  
Bowdoin vs. Ft. McKinley, at Brunswick.  
Colby C. vs. Kents Hill, at Waterville.  
Gettysburg vs. Steelton, at Gettysburg.  
Mass. Agri. vs. R. I. State, at Amherst.  
Ohio Univ. vs. Ky. State, at Lexington.  
Otterbein vs. Ohio State, at Columbus.  
Rens. Poly I. vs. Williams, at Winstown.  
Roch. vs. George, Jr., Republic, at Roch.

Shurtleff vs. St. Louis U., at St. Louis.  
Syracuse vs. St. Bonaventure, at Syra.  
U. of Minn. vs. Lawrence, at Minneapolis.  
U. of Pa. vs. Ursinus, at Philadelphia.  
U. of Va. vs. W. & M., at Charlottesville.  
Washburn vs. Campbell C., at Topeka.  
Western Md. vs. Dickinson, at Carlisle.  
Western Res. vs. Buchtel, at Cleveland.

## WEDNESDAY, SEPTEMBER 28.

Amherst vs. Norwich U., at Amherst.  
Harvard vs. Bates, at Cambridge.  
Hobart Coll. vs. Cornell, at Ithaca.  
Lafayette vs. Bloomsburg, at Easton.

Muhlenberg vs. Carlisle, at Carlisle.  
U. of Pa. vs. Dickerson, at Philadelphia.  
West. Md. vs. Lehigh, at So. Bethlehem.  
Yale vs. Wesleyan, at New Haven.

## THURSDAY, SEPTEMBER 29.

Georget'n vs. Wabash, at Crawf'dsville.

## FRIDAY, SEPTEMBER 30.

Hanover vs. Moores Hill, at Hanover.

## SATURDAY, OCTOBER 1.

Ala. Poly I. vs. Montgomery, at Auburn.  
Amherst vs. Spr'field T. S., at Amherst.  
Antioch vs. Ohio Wesl'y'n, at Delaware.  
Army vs. Vermont, at West Point.  
A. & M. College vs. Ft. Worth, at Coll. Sta.  
Baylor vs. Dan'l Boker, at Brownwood.  
Bowdoin vs. Harvard, at Cambridge.  
Brown vs. Norwich, at Providence.  
Central vs. Rolla S. of Mines, at Rolla.  
Central U. vs. U. of Tenn., at Knoxville.  
Cincinnati vs. Transylvania, at Cincin.  
Colby Coll. vs. Hebron, at Waterville.  
Colgate vs. Clarkson, at Hamilton.  
Coe College vs. Ames, at Ames.  
Dartmouth vs. Mass. State, at Hanover.  
DePauw vs. Indiana, at Bloomington.  
Drake vs. Des Moines, at Des Moines.  
Fairm't vs. Kan. Wesleyan, at Wichita.  
Fargo Coll. vs. Barnesville, at Fargo.  
Geneva vs. Bethany, at Beaver Falls.  
Georgetown vs. Butler, at Indianapolis.  
Hastings vs. Grand Island, at Gr. Island.  
Hope C. vs. Grand Haven, at Holland.  
Ky. Wesl'y'n vs. Manual, at Louisville.  
Lafayette vs. Ursinus, at Easton.  
Leander Clark vs. Cornell C., at Toledo.  
Lombard vs. Bradley, at Peoria.  
Miami U. vs. Wilmington, at Oxford.

Middlebury vs. St. Michael's, at Middleb.  
Miss. A. & M. vs. Memphis, at Agri. Coll.  
Monmouth vs. U. of Mo., at Columbia.  
Navy vs. St. John's, at Annapolis.  
Northw. vs. Ill. Wesleyan, at Evanston.  
Oberlin Coll. vs. Buchtel, at Oberlin.  
Ohio State vs. Wittenburg, at Columbus.  
Ohio Univ. vs. Denison, at Granville.  
Otterbein U. vs. Kenyon, at Gambier.  
Princeton vs. Stevens, at Princeton.  
Randolph-Macon vs. Va. U., at Charlot'e.  
Renssel'r Poly I. vs. Cornell, at Ithaca.  
Rochester vs. St. Bonaventure, at Roch.  
Rock Hill vs. Wash., at Chestertown.  
Rose Poly I. vs. E. Ill. State N., at Terre H.  
Rutgers vs. F. & M., at New Brunswick.  
Scio Coll. vs. W. Lafayette C., at Scio.  
Sewanee U. vs. S. M. A., at Sewanee.  
Shurtleff C. vs. Barns U., at St. Louis.  
Simpson vs. N. Des Moines, at Indianola.  
St. Louis vs. Cape Girardeau N., at St. L.  
St. Mary's vs. Campbell, at St. Mary's.  
Swarthmore vs. Leb'non Val., at Swarth.  
Trinity vs. Worcester I. of T., at Hartf'd.  
Tufts vs. Rhode Island State, at Tufts.  
Union vs. Williams, at Williamstown.  
U. of Ala. vs. Birmingham, at University.  
U. of Ark. vs. Drury, at Fayetteville.

## SATURDAY, OCTOBER 1—Continued.

- U. of Illinois vs. Milliken, at Urbana.  
 U. of Ky. vs. Maryville, at Lexington.  
 U. of N. C. vs. Va. Mil. Inst., at Chapel Hill.  
 U. of N. Dak. vs. Gr'd Forks H. S., at Univ.  
 U. of Nebraska vs. Peru N., at Lincoln.  
 U. of Pa. vs. Gettysburg, at Philadel'a.  
 U. of Pittsb. vs. Ohio North., at Pittsb.  
 Va. P. I. vs. Hampden-Sid'y, at Blacks'b'g.  
 Wash. & Jeff. vs. Alleghany, at Wash.  
 Wash. & Lee vs. Roanoke, at Lexington.  
 Washburn vs. C. of Emporia, at Topeka.  
 Waynesburg vs. Carnegie, at Pittsburg.  
 Wesleyan vs. Conn. Agri., at Middlet'n.  
 Western Md. vs. Carlisle, at Carlisle.  
 Western Res. vs. Wooster, at Cleveland.  
 W. & M. vs. U. C. Med., at Williamsburg.  
 Willamette U. vs. Alumni, at Salem.  
 W. Va. vs. Westminster, at Morgant'n  
 Yale vs. Syracuse, at New Haven.

## MONDAY, OCTOBER 3.

- Va. Mil. Inst. vs. Roanoke, at Lexington.

## WEDNESDAY, OCTOBER 5.

- Brown vs. R. I. State, at Providence.  
 Colgate vs. Alfred, at Hamilton.  
 Princeton vs. Villanova, at Princeton.  
 Rock Hill vs. Fredericksb'g, at Fred'b'g.  
 St. Lawrence vs. Vt. U., at Burlington.  
 U. of Pa. vs. Frank. & Mar., at Phila.  
 Va. Poly I. vs. Davidson, at Blacksburg.  
 Willamette vs. Salem H. S., at Salem.  
 Yale vs. Tufts, at New Haven.

## THURSDAY, OCTOBER 6.

- Michigan Agri. vs. Detroit, at Lansing.

## FRIDAY, OCTOBER 7.

- Central U. vs. Penn College, at Pella.  
 Hobart vs. Hamilton, at Geneva.  
 Simpson vs. Highland P'k, at Indianola.

## SATURDAY, OCTOBER 8.

- Ala. Poly I. vs. U. of Miss., at Auburn.  
 Bates vs. Ft. McKinley, at Lewiston.  
 Baylor vs. Austin College, at Waco.  
 Bowdoin vs. N. H. State, at Durham.  
 Carroll vs. Oshkosh N., at Waukesha.  
 Central vs. Warrensb'g N., at Fayette.  
 Cincinnati vs. Ohio State, at Columbus.  
 Colgate vs. Brown, at Providence.  
 Dartmouth vs. Colby, at Hanover.  
 DePauw vs. Franklin, at Greencastle.  
 Doane C. vs. Grand Island, at Crete.  
 Earlham vs. Antioch, at Earlham.  
 Fairmount vs. Emporia C., at Wichita.  
 Fargo Coll. vs. V. C. High, at Fargo.  
 Geneva vs. Wash. & Jeff., at Washing'n.  
 Georgeto'n vs. Marshall, at Huntingt'n.  
 Gettysburg vs. St. John's, at Gettysb'g.  
 Hanover C. vs. Butler C., at Hanover.  
 Harvard vs. Williams, at Cambridge.  
 Haverford vs. Delaware, at Haverford.  
 Hillsdale vs. Western N., at Hillsdale.  
 Hope College vs. Holland, at Holland.  
 Johns Hopkins vs. Md. Ag., at Baltim'e.  
 Kalamazoo vs. Albion, at Kalamazoo.  
 Kenyon Coll. vs. Denison, at Gambier.  
 La. St. vs. U. S. Jackson Ft., at Baton R'e.  
 Leander Clark vs. Grinnell, at Toledo.  
 Lombard vs. DePaul, at Chicago.  
 Marietta Coll. vs. Ohio U., at Athens.  
 Miami Univ. vs. Central, at Danville.  
 Mich. Agri. vs. Alma Coll., at Lansing.  
 Miss. C. vs. La. Ind. Inst., at Clinton.  
 Monmouth vs. Marquette, at Milwaukee.  
 Morningside vs. Iowa U., at Iowa City.  
 Muhlenberg vs. Webb A., at Allentown.  
 Muskingum vs. Scio, at New Concord.  
 Navy vs. Rutgers, at Annapolis.  
 Northw. U. vs. U. of Iowa, at Evanston.  
 Oberlin Coll. vs. Cornell, at Ithaca.  
 Olivet vs. Notre Dame, at Notre Dame.  
 Otterbein vs. Findlay, at Westerville.  
 Princeton vs. N. Y. U., at Princeton.  
 Randolph-Macon vs. Richm'd, at Rich.  
 Rens. Poly Inst. vs. Fordham, at Troy.  
 Rochester U. vs. Syracuse, at Syracuse.  
 Rose P. I. vs. Vanderbilt, at Nashville.  
 Shurtleff vs. Wash. U., at St. Louis.  
 Stevens vs. Lehigh, at So. Bethlehem.  
 St. Louis vs. Drury Coll., at St. Louis.  
 St. Mary's vs. Kansas U., at Lawrence.  
 Swarthmore vs. Lafayette, at Easton.  
 Transylvania vs. Ky. Wes., at Winchester.  
 Trinity vs. Mass. State, at Hartford.  
 Tufts Coll. vs. Army, at West Point.  
 Union vs. Middlebury, at Schenectady.  
 U. of Ala. vs. Union U., at University.  
 U. of Ark. vs. Henderson, at Fayettev'e.  
 U. of Chattanooga vs. Ga. T., at Atlanta.

SATURDAY, OCTOBER 8—Continued.

U. of Chicago vs. Indiana, at Chicago.  
U. of Illinois vs. Drake, at Urbana.  
U. of Mich. vs. Case S., at Ann Arbor.  
U. of Minn. vs. Ames, at Minneapolis.  
U. of Missouri vs. Rolla, at Columbia.  
U. of Neb. vs. So. Dakota, at Lincoln.  
U. of N. C. vs. E. y. State, at Lexington.  
U. of No. Dak. vs. Alumni, at University.  
U. of Pa. vs. W. Va., at Philadelphia.  
U. of Pittsb. vs. Westminster, at Pittsb.  
U. of So. Cal. vs. Orange A. C., at Univ.  
U. of Utah vs. Ogden H. S., at Ogden.  
U. of Vt. vs. U. of Me., at Burlington.  
U. of Wash. vs. Lincoln H. S., at Seattle.

Univ. of Wooster vs. Buchtel, at Akron.  
Wabash vs. Purdue, at Lafayette.  
Wash. & Lee vs. Hampden-Sid., at Lex.  
Washburn C. vs. Baker U., at Topeka.  
Waynesburg vs. California N., at Cal.  
Wesleyan vs. Amherst, at Middletown.  
West. Md. vs. Rock Hill, at Westminster.  
West. Res. vs. O. Wesleyan, at Cleveland.  
Willamette vs. Hill Mil. Ac., at Salem.  
W. & M. vs. Norfolk H. S., at Wmsburg.  
Wisconsin vs. Lawrence, at Madison.  
Worcester P. I. vs. Spring. T. S., at Spring.  
Yale vs. Holy Cross, at New Haven.

TUESDAY, OCTOBER 11.

Gettysburg C. vs. Carlisle, at Carlisle.

WEDNESDAY, OCTOBER 12.

Bowdoin C. vs. Exeter, at Brunswick.  
Mt. St. Mary vs. Mt. St. Joseph, at Em'bg.

St. Lawrence vs. St. Michael's, at Canton.  
Va. Poly I. vs. Eastern, at Blacksburg.

THURSDAY, OCTOBER 13.

Olivet vs. Detroit College, at Detroit.

FRIDAY, OCTOBER 14.

Wabash vs. Butler, at Crawfordsville.

SATURDAY, OCTOBER 15.

Ala. Poly I. vs. Howard, at Birmingham.  
Baker U. vs. Kansas U., at Lawrence.  
Bates vs. N. H. State, at Lewiston.  
Carroll vs. Laurence C., at Appleton.  
Case School vs. Denison, at Cleveland.  
Central U. vs. Iowa Wesl., at Mt. Pleas't.  
Cincinnati vs. Earlham, at Cincinnati.  
Coe College vs. Drake, at Des Moines.  
Colby vs. Ft. McKinley, at Waterville.  
Colgate vs. Trinity, at Hamilton.  
Dartmouth vs. Vermont, at Hanover.  
DePauw vs. Rose Poly, at Greencastle.  
Fairmount vs. Kan. State N., at Emporia.  
 Fargo vs. V. C. Normal, at Valley City.  
Geneva vs. Allegheny, at Meadville.  
Georgetown vs. Berea, at Georgetown.  
Gettysburg vs. Lebanon Val., at Gettys.  
Grove City vs. Carnegie T., at Pittsb'g.  
Hampden-Sid. vs. U. Coll. of M., at Ha.-S.  
Hanover vs. Univ. School, at Hanover.  
Harvard vs. Amherst, at Cambridge.  
Hastings C. vs. Wesleyan, at Hastings.  
Haverford vs. Lehigh, at S. Bethlehem.  
Hillsdale vs. Kalamazoo, at Hillsdale.  
Hope College vs. Olivet, at Holland.  
Iowa State vs. Des Moines, at Ames.  
Johns Hopkins vs. Stevens, at Baltim'e.  
Ky. Wesl. vs. U. of Ky., at Winchester.  
La. State vs. Miss. C., at Baton Rouge.

Leander Clark vs. I. S. T. U., at Toledo.  
Lombard vs. Cornell C., at Mt. Vernon.  
Macalester vs. Pillsbury A., at St. Paul.  
Marietta vs. Muskingum, at Marietta.  
Middlebury vs. Hamilton, at Clinton.  
Miss. A. & M. vs. Union, at Agri. Coll.  
Monmouth vs. Wm. & Vashti, at Monm'h.  
Mt. St. Mary's vs. Baltimore M., at Balt.  
Mt. Union vs. Kenyon, at Canton.  
N. Y. U. vs. Williams, at New York.  
Oberlin Coll. vs. Wooster, at Oberlin.  
Ottawa U. vs. Washburn, at Topeka.  
Otterbein vs. Ohio Northern, at Ada.  
Pomona vs. U. of Redlands, at Claremont.  
Princeton vs. Lafayette, at Princeton.  
Rensselaer Poly I. vs. Hobart, at Troy.  
Rochester U. vs. Union, at Rochester.  
Rock Hill vs. Richmond, at Richmond.  
Scio Coll. vs. Franklin Coll., at Scio.  
Shurtleff vs. Illinois C., at Jacksonville.  
Simpson vs. Grinnell, at Grinnell.  
St. Louis vs. Rolla Sch. M., at St. Louis.  
St. Mary's vs. Kan. Wesl., at St. Mary's.  
Swarthmore vs. Rutgers, at New Bruns.  
Syracuse U. vs. Carlisle, at Syracuse.  
Transylvania vs. Berea Coll., at Berea.  
Tufts Coll. vs. U. of Maine, at Orono.  
U. of Ala. vs. U. of Ga., at Birmingham.  
U. of Ark. vs. Kan. Ag., at Fayetteville.

## SATURDAY, OCTOBER 15—Continued.

- U. of Illinois vs. Chicago, at Urbana.  
 U. of Mich. vs. Mich. Ag., at Ann Arbor.  
 U. of Minn. vs. Nebraska, at Minneap.  
 U. of Mo. vs. U. of Iowa, at Columbia.  
 U. of N. C. vs. Davidson, at Charlotte.  
 U. of No. Dak. vs. Carleton, at Univ'y.  
 U. of Pa. vs. Brown, at Providence.  
 U. of So. Cal. vs. Throop, at University.  
 U. of Tenn. vs. Vanderbilt, at Nashville.  
 U. of Utah vs. Colorado, at Salt Lake C.  
 U. of Va. vs. St. John's, at Charlottesville.  
 U. of Wash. vs. Whitworth, at Tacoma.  
 Va. Mil. In. vs. W. & M., at Lexington.  
 Wash. & Jeff. vs. Navy, at Annapolis.  
 Wash. & Lee vs. Georgetown, at Wash.  
 Wash. U. vs. Westminster, at St. Louis.  
 Waynesburg vs. U. of Pittsb'g, at Pittsb.  
 Wesleyan vs. Norwich, at Middletown.  
 West. Md. vs. Va. Poly I., at Blacksburg.  
 West. Res. vs. Ohio State, at Columbus.  
 Willamette vs. Multnomah, at Portland.  
 Worcester P. I. vs. Mass. St., at Amherst.  
 W. Va. vs. Bethany, at Morgantown.  
 Yale vs. Army, at West Point.

## MONDAY, OCTOBER 17.

- Carroll vs. Ripon Coll., at Waukesha.      Sewanee vs. Central U., at Louisville.

## TUESDAY, OCTOBER 18.

- Baylor vs. Haskell Indians, at Waco.      Fairmount C. vs. Ottawa, at Ottawa.

## THURSDAY, OCTOBER 20.

- A. & M. C. vs. U. of Ky., at College Sta.      Waynesburg vs. Cal., at Waynesburg.

## FRIDAY, OCTOBER 21.

- Baker U. vs. Haskell U., at Baldwin.  
 Central C. vs. Wm. Jewell C., at Liberty.  
 Central U. vs. Highland Park, at Pella.  
 Macalseter C. vs. Fargo C., at Fargo.  
 Miss. A. & M. vs. La. State, at Columbus.  
 Simpson vs. Iowa St. T. C., at Indianola.

## SATURDAY, OCTOBER 22.

- Ala. Poly I. vs. Clemson, at Clemson.  
 Antioch vs. Wilmi'gton, at Yellow Spgs.  
 Army vs. Lehigh, at West Point.  
 Bowdoin vs. Amherst, at Amherst.  
 Central U. vs. Hanover C., at Danville.  
 Chattanooga U. vs. Birmingham, at Chat.  
 Cincin. vs. Wittenburg, at Springfield.  
 Coe College vs. Grinnell, at Grinnell.  
 Colby vs. Holy Cross, at Waterville.  
 Colgate vs. Middlebury, at Hamilton.  
 Dartmouth vs. Williams, at Williamst'n.  
 Drake U. vs. Kansas, at Des Moines.  
 Fargo vs. Wahpeton Science, at Fargo.  
 Geneva vs. Carnegie Tech., at Pittsb.  
 Georgetown vs. Ky. State, at Lexington.  
 Gettysburg vs. Lafayette, at Easton.  
 Grove City vs. Alleghany, at Alleghany.  
 Hampden-Sid. vs. Roanoke, at Hamp.-S.  
 Harvard vs. Brown, at Cambridge.  
 Hastings Coll. vs. Bellvue, at Bellvue.  
 Haverford vs. Rutgers, at Haverford.  
 Hillsdale vs. Detroit Coll., at Detroit.  
 Hope Coll. vs. Muskegon, at Holland.  
 Ky. Wesleyan vs. Berea, at Winchester.  
 Lombard vs. Wm. & Vashti, at Galesb'g.  
 Marietta vs. W. Va. Wesl., at Sistersville.  
 Mass. Agri. vs. U. of Maine, at Orono.  
 Miami Univ. vs. DePauw, at Oxford.  
 Mich. Agri. vs. Lake Forest, at Lansing.  
 Monmouth vs. Cornell C., at Monmouth.  
 Morningside vs. Laurence, at Baldwin.  
 N. C. U. vs. Wake Forest, at Chapel Hill.  
 Northw. U. vs. U. of Chicago, at Chicago.  
 Oberlin Coll. vs. Hiram, at Oberlin.  
 Ohio U. vs. Wilmington, at Athens.  
 Olivet vs. Kalamazoo C., at Kalamazoo.  
 Otterbein vs. Heidelberg, at Westerv'e.  
 Pomona vs. Throop Poly, at Claremont.  
 Princeton vs. Carlisle, at Princeton.  
 Ran.-Macon vs. Johns Hopkins, at Balt.  
 Rens. P. I. vs. Worcester P., at Worcester.  
 Rochester U. vs. Hamilton, at Clinton.  
 Rock Hill vs. Balto. City, at Ellicott City.  
 Rose Poly I. vs. Wash. U., at St. Louis.  
 Scio Coll. vs. Bethany C., at Bethany.  
 Stevens vs. N. Y. U., at New York.  
 St. Louis U. vs. Wabash, at St. Louis.  
 Swarthmore vs. Delaware, at Swarth.  
 Syracuse vs. Hobart, at Syracuse.  
 Transylvania vs. U. of Texas, at Austin.  
 Trinity vs. Norwich U., at Hartford.  
 Tufts vs. Springfield T. S., at Tufts.  
 Union vs. Wesleyan, at Schenectady.  
 U. of Ala. vs. Ga. Tech., at University.  
 U. of Ark. vs. S. W. of Tex., at Fayettev'e.  
 U. of Florida vs. Mercer, at Macon.  
 U. of Mich. vs. Ohio St., at Columbus.  
 U. of Missouri vs. Ames, at Columbia.

## SATURDAY, OCTOBER 22—Continued.

U. of Neb. vs. Denver U., at Lincoln.  
 U. of No. Dak. vs. Hamline, at St. Paul.  
 U. of Pa. vs. State, at Philadelphia.  
 U. of Pittsb. vs. Georgetown, at Pittsb.  
 U. of Tenn. vs. U. of Ga., at Athens.  
 U. of Va. vs. V. M. I., at Charlottesville.  
 U. of Vermont vs. Cornell, at Ithaca.  
 U. of Wash. vs. Whitman, at Seattle.  
 U. of Wooster vs. Case, at Wooster.  
 Utah U. vs. Col. S. of M., at Salt Lake C'y.  
 Va. Poly Inst. vs. Navy, at Annapolis.

Washburn vs. St. Mary's, at Topeka.  
 Wash. & Jeff. vs. Westminster, at Wash.  
 Wash. & Lee vs. Davidson, at Lexington.  
 West. Md. vs. Catholic U., at Westmins'r.  
 West. Res. vs. Kenyon, at Cleveland.  
 Willamette vs. Oregon Agri., at Salem.  
 W. & M. vs. Norfolk Blues, at Norfolk.  
 Wisconsin vs. Indiana, at Indianapolis.  
 W. Va. vs. Bucknell, at Morgantown.  
 Yale vs. Vanderbilt, at New Haven.

## MONDAY, OCTOBER 24.

Baylor vs. T. C. U., at Waco.

## WEDNESDAY, OCTOBER 26.

Mt. St. Mary's vs. Villanova, at Em'tts'b.  
 Mt. Union vs. Hiram, at Hiram.

St. Anselm vs. Mass. Osteop., at M'nch'r.

## THURSDAY, OCTOBER 27.

Mississippi vs. Union U., at Jackson.

Shurtleff vs. Cape Girardeau, at C. Girar.

## FRIDAY, OCTOBER 28.

Baker vs. Epworth, at Oklahoma City.

Fairmount vs. Okla. C. U., at Wichita.

## SATURDAY, OCTOBER 29.

Ala. Poly I. vs. U. of Texas, at Austin.  
 Army vs. Harvard, at West Point.  
 A. & M. Coll. vs. U. of Ark., at Fayettev'e.  
 Bates vs. U. of Maine, at Lewiston.  
 Baylor vs. Polytechnic, at Waco.  
 Bowdoin vs. Colby, at Brunswick.  
 Central C. vs. Kirksville N., at Kirksv'e.  
 Chattanooga U. vs. Ky. Wes'l'n., at Chat.  
 Coe Coll. vs. Leander Clark, at Toledo.  
 Dartmouth vs. Princeton, at New York.  
 DePauw vs. Wabash, at Crawfordsville.  
 Earlham vs. Wittenberg, at Springfield.  
 Fargo vs. U. of No. Dakota, at Fargo.  
 Geneva vs. Grove City, at Beaver Falls.  
 Georget'n vs. Louisv. H. S., at Georget'n.  
 Hamp.-Sid. vs. Wm. & M., at Wmsburg.  
 Hanover vs. Franklin, at Franklin.  
 Hastings C. vs. Kearney, at Hastings.  
 Haverford vs. F. & M., at Haverford.  
 Hillsdale vs. Olivet Coll., at Hillsdale.  
 Hope vs. Kalamazoo Nor., at Holland.  
 Iowa State vs. So. Dakota, at Ames.  
 La. State vs. Sewanee, at New Orleans.  
 Lombard vs. Ia. Wesley., at Mt. Pleasant.  
 Macalester vs. Hamline, at St. Paul.  
 Marietta C. vs. W. Va., at Parkersburg.  
 Mass. Agri. vs. N. H. State, at Manchest'r.  
 Miami U. vs. Cincinnati, at Cincinnati.  
 Mich. Agri. vs. Notre Dame, at Lansing.  
 Mississippi vs. Memphis, at Memphis.  
 Monmouth vs. Lake Forest, at L. Forest.  
 Mt. Union vs. Buchtel, at Alliance.

Muhlenberg vs. Del. State, at Newark.  
 Muskingum vs. Ohio Wesl., at Delaware.  
 New York U. vs. Rutgers, at New York.  
 Oberlin C. vs. Case Sch., at Cleveland.  
 Ohio State vs. Denison, at Columbus.  
 Ohio U. vs. Butler, at Indianapolis.  
 Otterbein vs. Antioch, at Westerville.  
 Pomona vs. Whittier C., at Claremont.  
 Ran.-Macon vs. U. C. of Md., at Ashland.  
 Rens. Poly I. vs. Hamilton, at Troy.  
 Rose Poly I. vs. Culver, at Terre Haute.  
 Scio College vs. Malvern, at Scio.  
 Simpson vs. Drake U., at Des Moines.  
 St. Anselm C. vs. Dean, at Franklin.  
 St. Lawrence vs. Middleb'ry, at Middleb.  
 St. Louis vs. Haskell Indians, at St. L.  
 St. Mary's vs. Wm. Jewell, at St. Mary's.  
 Swarthmore vs. Lehigh, at S. Beth'l'm.  
 Syracuse vs. Michigan, at Syracuse.  
 Tufts vs. Brown, at Providence.  
 Union vs. Stevens, at Hoboken.  
 U. of Florida vs. Rollins, at Gainesville.  
 U. of Ky. vs. Tulane U., at Lexington.  
 U. of Illinois vs. Purdue, at Lafayette.  
 U. of Minn. vs. Chicago, at Chicago.  
 U. of Mo. vs. Oklahoma U., at Joplin.  
 U. of Neb. vs. Doane Coll., at Lincoln.  
 U. of N. C. vs. Georgetown, at Wash.  
 U. of Pa. vs. Carlisle, at Philadelphia.  
 U. of S. Cal. vs. U. of Redlands, at Redl'ds.  
 U. of Tenn. vs. Howard, at Birmingham.  
 U. of Utah vs. U. of Colo., at Denver.

## SATURDAY, OCTOBER 29—Continued.

- U. of Wooster vs. Kenyon, at Wooster.  
 Va. M. I. vs. St. John's, at Lexington.  
 Va. Poly I. vs. Wash. & Lee, at Roanoke.  
 U. of Vt. vs. Norwich, at Montpelier.  
 Wash. & Jeff vs. Carnegie T., at Wash.  
 Washburn vs. Kansas, at Lawrence.  
 Waynesb'g vs. Westmins'r, at Waynesb.  
 Wesleyan vs. Trinity, at Middletown.  
 West. Md. vs. Johns Hopkins, at Balt.  
 West. Reserve vs. Navy, at Annapolis.  
 Willamette vs. Puget S'd U., at Tacoma.  
 Williams vs. Cornell, at Ithaca.  
 Wisconsin vs. Northwest'n, at Madison.  
 Worcester P. I. vs. Amherst, at Amherst.  
 Yale vs. Colgate, at New Haven.

## MONDAY, OCTOBER 31.

- Central Univ. vs. Parsons, at Pella.  
 Central U. vs. Tulane U., at Danville.  
 Ky. Wesl'yn vs. Maryville, at Maryville.  
 U. of Tenn. vs. Miss. A. & M., at Starkv'e.

## TUESDAY, NOVEMBER 1.

- A. & M. College vs. T. C. U., at Waco.  
 Rock Hill vs. Mt. St. Joseph, at Irvingt'n.  
 Sewanee vs. U. of Memphis, at Memphis.

## THURSDAY, NOVEMBER 3.

- Geneva vs. Westmins'r, at New Wilm'n.

## FRIDAY, NOVEMBER 4.

- Central U. vs. Kirksville N., at Kirksv'e.  
 Fargo C. vs. St. Thomas C., at St. Paul.  
 Simpson vs. Cornell C., at Indianola.

## SATURDAY, NOVEMBER 5.

- Antioch vs. Ohio Nort., at Yellow Spgs.  
 Army vs. Springfield T.S., at W. Point.  
 Baylor vs. Univ. of Texas, at Waco.  
 Bowdoin vs. Bates, at Brunswick.  
 Carroll vs. Beloit, at Waukesha.  
 Central vs. Transylvania, at Lexington.  
 Dartmouth vs. Amherst, at Hanover.  
 DePauw vs. Butler, at Greencastle.  
 Doane vs. Kearney St. N., at Kearney.  
 Drake vs. Grinnell, at Des Moines.  
 Earlham vs. Wilmington, at Earlham.  
 Georget'n vs. Ky. Wesl., at Winchester.  
 Gettysburg vs. Bucknell, at Lewisburg.  
 Hamp.-Sid. vs. Richmond, at Hamp.-Sid.  
 Hanover vs. St. Mary's, at Hanover.  
 Harvard vs. Cornell, at Cambridge.  
 Hillsdale vs. Albion Coll., at Albion.  
 Hope vs. Grand Rapids, at Holland.  
 Iowa State College vs. Iowa, at Ames.  
 Johns Hop. vs. Haverford, at Haverford.  
 Kalamazoo vs. Albion, at Albion.  
 Kenyon vs. Ohio Wesleyan, at Clevel'd.  
 La. State vs. Vanderbilt, at Nashville.  
 Macalester vs. Carleton, at Northfield.  
 Marietta vs. Miami, at Marietta.  
 Mich. Agri. vs. Marquette, at Milwaukee.  
 Mich. U. vs. Notre Dame, at Ann Arbor.  
 Miss. A. & M. vs. Tulane, at New Orleans.  
 Mississippi vs. Memphis U., at Jackson.  
 Morningside vs. St. Joseph, at Dubuque.  
 Muhlenberg vs. F. & M., at Allentown.  
 Navy vs. Lehigh, at Annapolis.  
 Oberlin vs. West. Reserves, at Oberlin.  
 Ohio State vs. Case, at Cleveland.  
 Ohio U. vs. Muskingum, at Athens.  
 Olivet vs. Alma, at Alma.  
 Otterbein vs. Cincinnati, at Cincinnati.  
 Pomona vs. S. Cal. U. L.S., at Claremont.  
 Princeton vs. Fordham, at Princeton.  
 Ran.-Macon vs. W. & M., at Williamsb'g.  
 Rens. Poly I. vs. Stevens, at Hoboken.  
 Rochester vs. Colgate, at Rochester.  
 Rock Hill vs. Cath. U., at Ellicott City.  
 Rose Poly I. vs. Wabash, at Terre Haute.  
 Scio vs. W. Lafayette, at W. Lafayette.  
 Sewanee vs. U. of Ga., at Sewanee.  
 St. Anselm vs. Lowell Tex., at Lowell.  
 St. Lawrence vs. Hamilton, at Clinton.  
 St. Louis vs. Missouri, at St. Louis.  
 St. Mary's vs. Emporia C., at St. Mary's.  
 Swarthmore vs. Ursinus, at Swarthm'e.  
 Syracuse vs. Vermont, at Syracuse.  
 Tufts Coll. vs. Mass. Agri., at Tufts.  
 Union vs. Hobart, at Schenectady.  
 U. of Ala. vs. U. of Miss., at Columbus.  
 U. of Ark. vs. Wash. U., at St. Louis.  
 U. of Chattanooga vs. Mercer, at Macon.  
 U. of Chicago vs. Purdue, at Chicago.  
 U. of Ill. vs. U. of Indiana, at Bloom'gt'n.  
 U. of Neb. vs. Kansas, at Lawrence.  
 U. of N. Dak. vs. N. Dak. Agri., at Univ.  
 U. of Pa. vs. Lafayette, at Philadelphia.  
 U. of Tenn. vs. Ky. State, at Knoxville.  
 U. of Va. vs. Carlisle, at Washington.  
 U. of Wash. vs. U. of Idaho, at Seattle.  
 U. of Wooster vs. Mt. Union, at Alliance.

## SATURDAY, NOVEMBER 5—Continued.

Va. Poly I. vs. U. of N.C., at Richmond.  
 Wash. & Lee vs. N.C.A. & M., at Lynchb.  
 Washburn vs. Kan. State N., at Topeka.  
 Waynesb'g vs. W. Va. Wesl., at Waynesb.  
 Wesleyan vs. Williams, at Williamsto'n.

West. Md. vs. Mt. St. Mary, at Westmin'r.  
 Willamette vs. Mt. Angel, at Salem.  
 W. Va. vs. U. of Pittsburg, at Pittsburg.  
 Yale vs. Brown, at New Haven.

## MONDAY, NOVEMBER 7.

A. & M. Coll. vs. Baylor U., at College.  
 Ala. Poly I. vs. Ga. Tech., at Atlanta.  
 Baker U. vs. Ottawa U., at Ottawa.

Central C. vs. A. S. Osteo., at Fayette.  
 U. of So. Cal. vs. Occidental, at Univ.

## TUESDAY, NOVEMBER 8.

Geneva vs. Grove City, at Grove City.  
 St. Lawrence vs. Rutgers, at New Bruns.

Trinity vs. New York U., at New York.  
 Willamette vs. Whitman, at Salem.

## THURSDAY, NOVEMBER 10.

Hobart College vs. Alfred, at Geneva.

## FRIDAY, NOVEMBER 11.

Central U. vs. Leander Clark, at Toledo.  
 Doane vs. Wesleyan, at University Pl.

La. State vs. U. of Miss., at Baton Rouge.  
 Mt. St. Mary's vs. Leb. Val., at Em'itsb'g.

## SATURDAY, NOVEMBER 12.

Ala. Poly I. vs. Tulane, at New Orleans.  
 Antioch vs. St. Mary's Inst., at Dayton.  
 Army vs. Villanova, at West Point.  
 Bates vs. Tufts, at Portland.  
 Brown vs. Vermont, at Providence.  
 Bowdoin vs. U. of Maine, at Orono.  
 Case School vs. Kenyon, at Cleveland.  
 Central vs. U. of Cincinnati, at Cincin.  
 Chattanooga U. vs. Howard, at Chattan.  
 Coe Coll. vs. Cornell C., at Mt. Vernon.  
 Dartmouth vs. Harvard, at Cambridge.  
 DePauw vs. Purdue, at Lafayette.  
 Earlham vs. Butler, at Earlham.  
 Fairmount vs. Kan. State, at Manhattan.  
 Fargo C. vs. N. Dak. Agri., at Fargo.  
 Geneva vs. Mt. Union, at Beaver Falls.  
 Gettysburg vs. Dickinson, at Gettysb.  
 Hastings College vs. Peru, at Peru.  
 Haverford vs. Trinity, at Hartford.  
 Hillsdale vs. Adrian Coll., at Adrian.  
 Johns Hopkins vs. Gallaudet, at Balto.  
 Lehigh vs. Carnegie T., at S. Bethlehem.  
 Lombard vs. Illinois, at Jacksonville.  
 Macalester vs. St. Thomas, at St. Paul.  
 Mass. Agri. vs. Springfield T.S., at Spring.  
 Miami vs. Wittenberg, at Oxford.  
 Mich. Agri. vs. DePaul, at Chicago.  
 Middlebury vs. Norwich, at Middleb'y.  
 Monmouth vs. Knox, at Galesburg.  
 Morningside vs. S.D. Agr., at Sioux City.  
 Muhlenberg vs. Temple, at Allentown.

Navy vs. Carlisle, at Annapolis.  
 Northwestern vs. U. of Ill., at Evanston.  
 Oberlin vs. Heidelberg, at Oberlin.  
 Ohio State vs. Wesleyan, at Columbus.  
 Olivet vs. Albion, at Olivet.  
 Otterbein vs. Ohio, at Athens.  
 Pomona vs. Occidental, at Los Angeles.  
 Ran.-Macon vs. Hamp.-Sid., at Richm'd.  
 Rochester vs. Rensselaer, at Troy.  
 Rock Hill vs. Balto. P.I., at Ellicott City.  
 Rose P. I. vs. Hanover, at Terre Haute.  
 Rutgers vs. Wash'ton, at Chestertown.  
 Scio vs. Martin's Ferry H. S., at Scio.  
 Shurtleff vs. St. Charles, at Upper Alton.  
 St. Anselm vs. Colby, at Manchester.  
 St. Louis vs. Kentucky, at St. Louis.  
 St. Mary's vs. Kansas N., at St. Mary's.  
 Swarthmore vs. Stevens, at Hoboken.  
 Syracuse vs. Colgate, at Syracuse.  
 Transylvania vs. Georgetown, at Lex.  
 Union vs. Hamilton, at Schenectady.  
 U. of Ala. vs. Sewanee, at Birmingham.  
 U. of Ark. vs. Mo. S. of M., at Fayetteville.  
 U. of Chicago vs. Cornell, at Ithaca.  
 U. of Fla. vs. Rollins, at Winter Park.  
 U. of Mo. vs. Washington, at Columbia.  
 U. of Nebraska vs. Ames, at Lincoln.  
 U. of Pa. vs. Michigan, at Philadelp'a.  
 U. of So. Cal. vs. Whittier, at Whittier.  
 U. of Utah vs. Denver, at Salt Lake City.  
 U. of Va. vs. Georgetown, at Wash.

## SATURDAY, NOVEMBER 12—Continued.

- |   |  |
|---|--|
| U. of Wash. vs. Wash. State, at Spokane.    | Western Reserve vs. Hiram, at Hiram.       |
| U. of Wooster vs. Denison, at Wooster.      | Willamette vs. Chemawa Ind., at Salem.     |
| Va. P. I. vs. Geo. Wash. U., at Lynchburg.  | W. & M. vs. Fred'ksburg, at Wmsburg.       |
| Wash. & Jeff vs. U. of Pittsburg, at Pitts. | Williams vs. Amherst, at Amherst.          |
| Wash. & Lee vs. U. of N. C., at Norfolk.    | Wisconsin vs. Minnesota, at Minneap.       |
| Washburn vs. Epworth, at Okla. City.        | Worcester P. I. vs. Holy Cross, at Worc'r. |
| Wesleyan vs. N. Y. U., at Middletown.       | W. Va. vs. Geo. Wash., at Morgantown.      |
| West. Md. vs. Delaware, at Westminster.     | Yale vs. Princeton, at Princeton.          |

## MONDAY, NOVEMBER 14.

- |  |   |
|--|---|
| A. & M. C. vs. U. of Texas, at Houston.  | Notre Dame vs. Wabash, at Crawford'e.     |
| Central C. vs. Mo. Val. C., at Marshall. | U. of Wooster vs. Ohio Wesl., at Delaw'e. |

## TUESDAY, NOVEMBER 15.

- |  |                                    |
|--|------------------------------------|
| Drake U. vs. Iowa U., at Iowa City.      | Ottawa U. vs. Baker U., at Ottawa. |
| Miss. Coll. vs. U. of Miss., at Clinton. |                                    |

## WEDNESDAY, NOVEMBER 16.

- W. Va. U. vs. W. Va. Wesl., at Morgantown.

## THURSDAY, NOVEMBER 17.

- |   |                                       |
|---|---------------------------------------|
| A. & M. Coll. vs. Haskell Ind., at College. | U. of Ky. vs. Berea C., at Lexington. |
| Transylvania vs. Ky. State, at Lexing.      |                                       |

## FRIDAY, NOVEMBER 18.

- |                                       |  |
|---------------------------------------|--|
| Baker vs. Kansas Agri., at Manhattan. | Simpson vs. Coe College, at Indianola. |
| Baylor vs. T. C. U., at Ft. Worth.    | St. Mary's vs. Tarkio, at St. Mary's.  |
| Miss. A. & M. vs. Howard, at College. |  |

## SATURDAY, NOVEMBER 19.

- |   |   |
|---|---|
| Army vs. Trinity, at West Point.          | Ohio Univ. vs. Kenyon, at Gambier.        |
| Bowdoin vs. Wesleyan, at Portland.        | Pittsb. U. vs. Carnegie Tech., at Pittsb. |
| Case School vs. Mt. Union, at Canton.     | Rens. Poly I. vs. Middlebury, at Troy.    |
| Central vs. Georgetown, at Georget'n.     | Rochester vs. Hobart, at Rochester.       |
| Cincinnati vs. Antioch, at Cincinnati.    | Rock Hill vs. Eastern C., at Manassas.    |
| Coe College vs. Simpson, at Indianola.    | Scio C. vs. Franklin, at New Athens.      |
| Cornell Coll. vs. Grinnell, at Grinnell.  | Stevens vs. Rutgers, at Hoboken.          |
| DePauw vs. Earlham, at Richmond.          | Swarthmore vs. Bucknell, at Swarth.       |
| Doane College vs. Bellvue, at Crete.      | Syracuse vs. Illinois, at Urbana.         |
| Fairmount vs. Southwest'n, at Wichita.    | Tufts Coll. vs. Holy Cross, at Boston.    |
| Geneva vs. Muskingum, at Beaver Falls.    | U. of Ala. vs. Tulane, at New Orleans.    |
| Hanover vs. Ky. Wesleyan, at Hanover.     | U. of Minn. vs. Michigan, at Ann Arbor.   |
| Hillsdale vs. Mich. Nor., at Ypsilanti.   | U. of N. C. vs. U. of S. C., at Durham.   |
| Hope vs. Crescent Five A. C., at Holland. | U. of So. Cal. vs. Pomona, at Claremont.  |
| Kenyon vs. Freshmen, at Gambier.          | U. of Tenn. vs. Chattanooga U., at Knoxv. |
| La. State vs. U. of Texas, at Austin.     | Va. M. I. vs. Georgetown, at Washington.  |
| Lehigh vs. Lafayette, at Easton.          | Wash. & Jeff. vs. Grove City, at Wash.    |
| Marietta vs. Bethany, at Marietta.        | Wash. U. vs. U. of Iowa, at St. Louis.    |
| Mass. Agri. vs. Brown, at Providence.     | Washburn vs. Wm. Jewell, at Topeka.       |
| Michigan Agri. vs. Olivet, at Olivet.     | West. Md. vs. Md. A. C., at Baltimore.    |
| Monmouth vs. Beloit, at Monmouth.         | West. Res. vs. Denison, at Cleveland.     |
| Mt. St. Mary's vs. Cath. U., at Emmitsb.  | W. & M. vs. Richmond, at Richmond.        |
| Muhlenberg vs. Wyo. Sem., at W.-Barre.    | Wisconsin vs. Chicago, at Madison.        |
| Navy vs. New York U., at Annapolis.       | W. Va. vs. Dickinson Coll., at Fairmont.  |
| Oberlin vs. Ohio State, at Columbus.      | Yale vs. Harvard, at New Haven.           |



## THURSDAY, NOVEMBER 24.

Baylor vs. Southwestern, at Waco.  
 Brown vs. Carlisle, at Providence.  
 Carroll vs. Northwest'n, at Waukesha.  
 Central vs. Ky. State, at Lexington.  
 Central C. vs. Westminster, at Fayette.  
 Cincinnati vs. Denison, at Cincinnati.  
 Drake vs. Ames, at Des Moines.  
 Gettysburg vs. F. & M., at Lancaster.  
 Grove City vs. Westminster, at Grove C'y.  
 Kalamazoo vs. West. N., at Kalamazoo.  
 Lafayette vs. Dickinson, at Easton.  
 La. State vs. U. of Ark., at Little Rock.  
 Marietta vs. Denison, at Marietta.  
 Miami vs. Butler, at Indianapolis.  
 Mich. Agri. vs. Wabash, at Lansing.  
 Miss. A. & M. vs. U. of Miss., at Jackson.  
 Mt. St. Mary's vs. Rock Hill, at Baltim'e.  
 Muhlenberg vs. Ind. Res., at Allentown.  
 Musking'm vs. W. Va. Wesl., at Buckh'n.  
 Notre Dame vs. Marquette, at Milwauk.  
 Ohio State vs. Kenyon, at Columbus.  
 Ohio Univ. vs. O. N. U., at Athens.

Otterbein vs. Wittenberg, at Sp'gfield.  
 Pittsburg U. vs. Penn. State, at Pittsb.  
 Rose P.I. vs. Bradley T., at Terre Haute.  
 Sewanee vs. Vanderbilt, at Nashville.  
 Shurtleff vs. Milliken U., at Decatur.  
 St. Mary's vs. Doane, at St. Mary's.  
 Syracuse vs. St. Louis, at St. Louis.  
 U. of Ala. vs. Wash. & Lee, at Birming'm.  
 U. of Chattanooga vs. Maryville, at Chat.  
 U. of Fla. vs. Charleston, at Gainesville.  
 U. of Neb. vs. Haskell Ind., at Lincoln.  
 U. of Pa. vs. Cornell, at Philadelphia.  
 U. of Tenn. vs. Georgetown, at Knoxville.  
 U. of Va. vs. N. C. U., at Richmond.  
 Va. Poly I. vs. N. C. A. & M., at Norfolk.  
 Washburn vs. U. of Okla., at Topeka.  
 Waynesburg vs. Bethany, at Waynesb.  
 Western Res. vs. Case, at Cleveland.  
 West. Md. vs. Md. Agri., at Westminster.  
 Willamette vs. Pacific U., at Salem.  
 W. Va. vs. Wash. & Jeff., at Wash., Pa.

## FRIDAY, NOVEMBER 25.

A. & M. Coll. vs. Tulane, at Houston.  
 Ala. P. I. vs. U. of Ga., at Montgomery.  
 Antioch vs. Wilmington, at Wilming'n.  
 Lombard vs. Knox, at Knox.  
 Morningside vs. S. Dak., at Sioux City.

St. Anselm vs. Boston C., at Manchestr'r.  
 U. of Mo. vs. Kan. U., at Kansas City.  
 U. of Utah vs. Utah A.C., at Salt Lake C.  
 U. of Wash. vs. Oregon Agri., at Seattle.

## SATURDAY, NOVEMBER 26.

Army vs. Navy, at Philadelphia.  
 Grove City vs. Alumni, at Grove City.

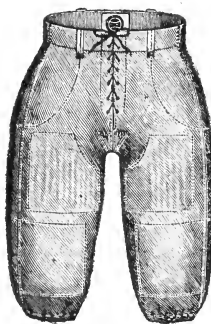
Ran.-Macon vs. Richmond, at Richm'nd.  
 W. & M. vs. Roanoke, at Newport News.

## What a Foot Ball Player Should Wear

The foot ball player, in the eyes of the spectators at most games, is a hero. He seems to possess in their eyes attributes that are different from the ordinary run of men. Is it not well, therefore, that this man who is regarded as a hero should appear before those who admire him in the best possible manner? He can only do so if he has on a uniform and is equipped as a foot ball player should be and in an outfit that is suitable for the game he is playing. After the experience of thirty years and over in catering to foot ball games, Spalding knows pretty accurately what they require, and that is why newly organized teams go there in increasing numbers to ask for advice as to the outfits they should purchase.

### CLOTHING.

The old style material of moleskin trousers is being succeeded by a light, special canvas, with padded hips and knees and cane strips in the thighs. These trousers can be bought in best quality, No. VT, at \$2.50 per pair, and other grades at \$1.75, \$1.50 and \$1.00 per pair. For those who still prefer moleskin, Spalding makes a moleskin especially for this purpose, with thighs padded and cane reeds, to sell at \$5.00 per pair.



No. VT.

Jerseys have largely taken the place of the canvas jacket, but the jackets are still made for those who prefer them. Jackets cost 50 cents and \$1.25 each. The very best quality Spalding jersey, full fashioned, can be purchased at \$4.00 each, also other grades at \$3.00, \$2.50 and \$2.00 each, and for the small amateur teams at \$1.00 and \$1.25 each. Leather pads are now frequently used on shoulders and elbows. These can be bought for 25 cents and 50 cents each.



No. 1.

The canvas jacket is often used with combination suit known as the "Spalding 'Varsity Union Suit," the jacket and trousers being connected at the waist with a broad elastic belt. The pants are padded in the thighs with reeds. This suit conforms to each movement of the wearer's body and makes an ideal outfit. The price is \$5.00.

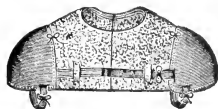
Although the roughness of the game has been practically eliminated by the new rules, still shin guards and shoulder pads are sometimes needed. The shin guards cost 40 cents, 50 cents, \$1.00, \$1.50 and \$2.00 per pair. The shoulder pads, No. B, designed by Glenn S. Warner of Cornell, are made to fit the player's shoulder, and padded heavily both inside and out with wool felt. We also have a molded soft leather-covered pad, with selvyge left so it can be sewed on the jersey and fitted with adjustable laces and elastic.

The Spalding sweaters are known to every foot ball player in the world. Their No. AA quality is the heaviest sweater made and costs \$8.00 each, other good qualities ranging in prices from \$3.00 to \$6.00.

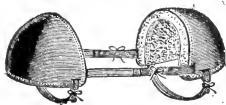
Spalding foot ball stockings are made of a special weave and adopted

by foot ball players generally. The best cost \$1.50, and other grades from 60 cents, 80 cents and \$1.00 per pair.

The Spalding Combined Adjustable Shoulder Pads and Collar Bone Protectors are new this season. The No. YF has molded leather shoulder pieces, felt padded, double thickness felt collar-bone protectors and adjusting straps. They cost \$4.00 each. The No. Y is same as No. YF but without collar-bone protectors and cost \$3.00 each.



No. YF.



No. Y.

The old style head harness that used to be so hard and heavy has been retired in favor of a lighter and more pliable model. Spalding has produced a new one this year that gives complete satisfaction and still is

almost as light as a feather on the head. The very best kind made cost \$4.00 each, and other grades are \$3.00, \$2.00 and \$1.00 each.

To those who generally prefer padding in the knees of the trousers, "Spalding's New Improved Foot Ball Knee Pad," made entirely of felt and shaped to conform with the curve of the knee, with leather straps for fastening under the knee, is ideal. This is the invention of one of the most prominent foot ball trainers in the country and will be used extensively the coming season. They cost \$2.00 per pair.

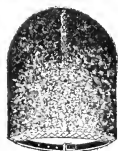
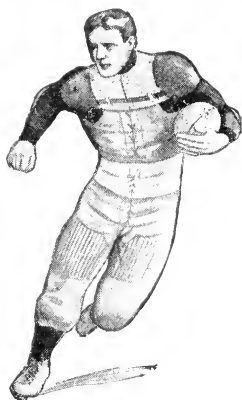


No. A.

Spalding foot ball shoes are recognized as the standard by foot ball players everywhere. They are made by shoemakers who do nothing else but make athletic shoes year in and year out and who become thoroughly familiar with the various details as to what is needed. The very best Spalding shoe costs \$8.00 per pair and is exclusively bench made. Other

foot ball shoes can be purchased at \$7.50, \$5.00 and \$3.50 per pair. The 'Varsity foot ball shoe at \$5.50 is equipped with Spalding foot ball ankle brace, which was designed by the famous Mike Murphy, the celebrated trainer of University of Pennsylvania. It absolutely prevents turning of the ankle and affords most absolute protection against the spraining of the ankles and at the same time does not interfere with the speed of the player. The "Club Special" shoe at \$5.00 is extremely light and made of very best black calfskin. The "Amateur Special" shoe is machine made, of very good quality black calfskin, and costs \$3.50 per pair.

Spalding's new foot ball catalogue contains pictures and prices of everything needed for the game and is indispensable to every player. A postal addressed to the nearest Spalding store (see list on inside front cover) will bring one by return mail.



No. KP.

ACCEPT NO  
SUBSTITUTE

THE SPALDING



TRADE-MARK

GUARANTEES  
QUALITY

# The Spalding Official Intercollegiate Foot Ball



This is the **ONLY OFFICIAL COLLEGE FOOT BALL**, and is used in every important match played in this country. **Guaranteed absolutely if seal of box is unbroken.** Each ball complete in sealed box, including leather case, guaranteed pure Para rubber bladder (not compounded), inflater, lacing needle and rawhide lace.

## No. J5. Complete, \$5.00

**WE GUARANTEE** every Spalding Foot Ball to be perfect in material and workmanship and correct in shape and size when inspected at our factory. If any defect is discovered during the first game in which it is used, or during the first day's practice use, and if returned at once, we will replace same under this guarantee. We do not guarantee against ordinary wear nor against defect in shape or size that is not discovered immediately after the first day's use.

Owing to the superb quality of every Spalding Foot Ball, our customers have grown to expect a season's use of one ball, and at times make unreasonable claims under our guarantee which we will not allow.

PROMPT ATTENTION GIVEN TO  
ANY COMMUNICATIONS  
ADDRESSED TO US

**A. G. SPALDING & BROS.**  
STORES IN ALL LARGE CITIES

FOR COMPLETE LIST OF STORES  
SEE INSIDE FRONT COVER  
OF THIS BOOK

Prices in effect July 5, 1910 Subject to change without notice. For Canadian prices see special Canadian Catalogue.

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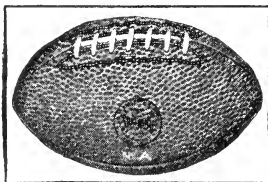


TRADE-MARK

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# SPALDING College Special FOOT BALL

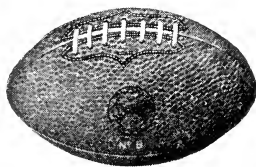
Made of Specially Tanned Imported Grain  
Leather



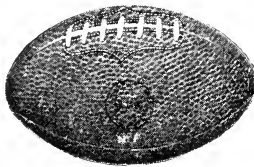
SUPERIOR in style and quality to the many balls put on the market in imitation of our Official No. J5 Ball. Each ball put up in a sealed box with guaranteed pure Para rubber bladder (not compounded), lacing needle and rawhide lace.

No. A. Each, \$4.00

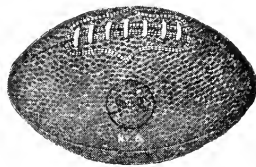
## Spalding College Foot Balls



No. B



No. F



No. S

Selected fine grain leather case. Each ball packed complete in sealed box with guaranteed pure Para rubber bladder (not compounded), lacing needle and rawhide lace. Regulation size.

No. B. Each, \$3.00.

Grained cowhide case of excellent quality. Each ball packed complete with guaranteed pure Para rubber bladder (not compounded), rawhide lace and needle in sealed box. Regulation size.

No. F. Each, \$2.50

Good quality leather case, pebbled graining. Each ball packed complete with guaranteed pure Para rubber bladder (not compounded), rawhide lace and needle in sealed box. Regulation size.

No. S. Each, \$2.00

Don't Permit Your Foot Ball to Become Water Soaked and then Expect it to keep in Good Playing Condition

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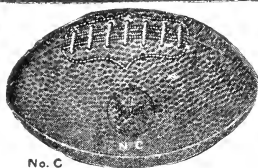
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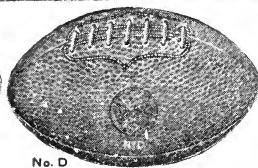


TRADE-MARK

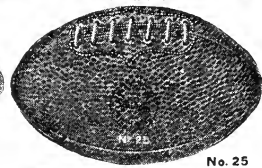
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QUALITY



No. C



No. D



No. 25

Well made leather case, pebbled graining. Each ball packed complete with guaranteed pure Para rubber bladder (not compounded), in sealed box. Regulation size.

No. C. Each, \$1.75

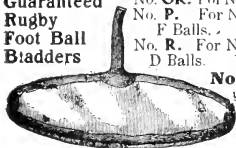
Leather case, pebbled graining. Each ball is packed complete with guaranteed pure Para rubber bladder (not compounded), in sealed box. Regulation size.

No. D. Each, \$1.50

Leather case. Each ball complete with compounded rubber bladder (not guaranteed), and packed in sealed box. Regulation size.

No. 25. Each, \$1.00

**Guaranteed  
Rugby  
Foot Ball  
Bladders**



No. OR. For No. J5 Ball. Ea., \$1.50  
No. P. For Nos. A, B and F Balls. Each, 1.25  
No. R. For Nos. S, C and D Balls. Each, .75

**Note**—The compounded unguaranteed bladder which we pack in with our No. 25 ball, we do not sell separately. The No. R

bladder will however fit the No. 25 ball

All rubber foot ball bladders bearing our Trade-Mark, except bladders packed with the No. 25 ball, are made of pure Para rubber (not compounded), and are guaranteed perfect in material and workmanship. **Don't use mouth to inflate rubber bladders.** Note special explanation of guarantee on tag attached to each bladder

**Foot Ball Lacing Needle**

No. N. Made of annealed steel wire  
Each, 5c.

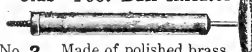


**Lawson Foot Ball Timer**

A continuous timer, arranged so that an entire half may be timed accurately, stopped during interruptions, and started again when play is resumed. Used also for timing other athletic events. Nickel case. Each, \$2.50



**"Club" Foot Ball Inflator**



No. 2. Made of polished brass, nickel-plated. Length of cylinder 10½ inches and diameter 1¼ inches. Each, 50c.

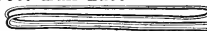
**Pocket Foot Ball Inflator**



No. 3. Made of brass, nickel-plated and polished. Cylinder 5½ inches long, diameter ¾ inch; extreme length closed, 7¼ inches. Each, 25c.

**Rawhide Foot Ball Lace**

No. R. Each, 5c.



**Spalding Foot Ball Tackling Machine and Releasing Attachment**

We furnish, on application, to interested parties, blue prints, giving necessary measurements and showing how apparatus should be set up.

Uprights and cross-beam can be purchased at any sawmill. Prices for all other equipment necessary we list below.

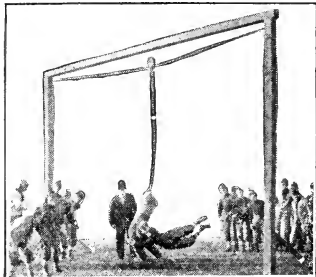
**Tackling Dummy**—Heavy 10-oz. brown canvas, without joining at waist; reinforced at bottom with heavy sole leather. Complete with heavy leather encircling strap for special reinforcement. At many of the prominent colleges a pair of foot ball trousers are put on the dummy and held secure by the encircling strap which we furnish with dummy. Each, \$15.00

**Releasing Attachment**—With pulley block to run on cross rod, spliced to connecting rope. Each, \$10.00

**Steel Cross Rod**—Threaded at both ends, complete with nuts and washers. Each, \$7.50



Releasing Attachment



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### Spalding College Foot Ball Clothing

is made of either canvas, drill or moleskin, specially manufactured for us; the curled hair and other padding is most carefully selected, real rattan reeds being a special feature, and we use no metal eyelets, all being hand worked.

### The Spalding 'Varsity Union Suit

Made up of our 'Varsity No. VT Pants and No. VJ Jacket, connected by a substantial elastic belt. Highest grade material and workmanship throughout. It conforms to each movement of the body and makes an ideal outfit in every way.  
No. VTJ. Suit Price, **\$5.00** ★ \$54.00 Doz.  
To satisfy the demand for a medium priced Union Suit, we are putting out this additional style, made of lighter weight brown canvas and narrower elastic belt than in our No. VTJ. Well made and will give excellent satisfaction  
No. PTJ. Suit. Price, **\$3.50** ★ \$39.00 Doz.

### Spalding Special 'Varsity Foot Ball Trousers—Padded

No. VT. The hips and knees are properly padded, according to our improved method, with pure curled hair and the thighs have cane strips. Absolutely best grade throughout.

Per pair, **\$2.50** ★ \$27.00 Doz.



No. VTJ

### Spalding Foot Ball Pants—Canvas

No. 1P. Extra quality brown canvas, soft finish, well padded throughout and cane strips at thighs. Per pair, **\$1.75** ★ \$18.00 Doz.

No. 2P. Good quality brown canvas, well padded and real cane strips at thighs. Per pair, **\$1.50** ★ \$15.00 Doz.

No. BP. Brown drill, correctly padded. " **1.00** ★ 10.00 "

No. XP. Brown drill, padded. Pair, **75c.** ★ \$8.00 Doz.

### Spalding Foot Ball Pants—Moleskin

No. OOR. Padded. Drab moleskin. Hips and knees padded with curled hair, and thighs have cane strips.

Per pair, **\$5.00** ★ \$51.00 Doz.

### Spalding Sleeveless Foot Ball Jackets

No. VJ. 'Varsity. Light weight, brown canvas. Special quality. Each, **\$1.25** ★ \$13.20 Doz.

No. 2. Good quality brown canvas. Well made throughout. Each, **50c.** ★ \$5.00 Doz.



No. 2

### Juvenile Foot Ball Pants

Furnished in following sizes only: Chest 26 to 30, waist 24 to 26, inclusive.

No. 20P. Brown canvas, good quality; well padded and real cane strips at thighs.  
No. 15P. Brown drill, correctly padded.  
No. 14P. Brown drill, padded.

Pair, **\$1.25**  
" **.80**  
" **.70**

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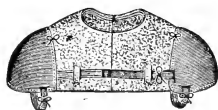
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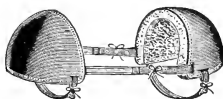
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# Spalding Combined Adjustable Shoulder Pads and Collar-Bone Protectors



No. YF



No. Y

After consultation with some of the most prominent and successful athletic trainers in this country, we have arranged to supply adjustable shoulder pads with and without the combination protection for collar-bone. These pads will be used by the players on the leading college teams during the coming season. They are made in exact accordance with official regulations.

No. **YF**. Molded leather shoulder pieces, felt padded, complete with special double thickness felt collar-bone protectors and adjusting straps to regulate size.

Each, **\$4.00** ★ *\$42.00 Doz.*

No. **Y**. Same as No. YF, but without collar-bone protectors. Fitted with adjusting straps. Each, **\$3.00** ★ *\$30.00 Doz.*

## Spalding Collar-Bone Protectors



Gotten up after the design of a very successful athletic trainer. These protectors were thoroughly tested in actual play last season

by some of the biggest college teams. Made in accordance with official regulations. Felt padded

No. **LL**. Large, leather. Ea., **\$2.00** ★ *\$21.00 Doz.*

No. **LM**. Medium, leather. " **2.00** ★ *\$21.00 Doz.*

No. **CF**. Small, canvas. " **1.00** ★ *\$10.80 Doz.*

## Spalding Improved Shoulder Pads



No. B



No. D

No. **B**. Designed by Glenn S. Warner of Cornell. Made to fit shoulder. Heavily padded inside and out with wool felt in accordance with decisions of Rules Committee. Endorsed by every player and trainer who has examined it. Each, **\$2.50**

No. **D**. Soft black leather covering, padded with heavy felt and fitted with adjusting laces and elastic. Savage left for attaching to jersey. Each, **\$1.00**

## Spalding Leather Covered Pads



No. 1



No. 2



Hand made and correctly padded. Elbow pads made extra thick. Shoulder pads are extra long, to give full protection.

Readily attached to any part of a jersey, but especially adapted to shoulders and elbows. Covered with tan leather and tufted padding which has all the softness of curled hair and durability of felt.

No. 1. Shoulder Pad. Each, **50c.** ★ *\$5.00 Doz.*  
No. 2. Elbow Pad. " **50c.** ★ *5.00*

Same as above, but covered with brown canvas instead of leather.

No. 3. Shoulder Pad. Each, **25c.** ★ *\$2.50 Doz.*  
No. 4. Elbow Pad. " **25c.** ★ *2.50*

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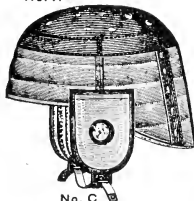
# SPALDING HEAD HARNESS

PATENT APPLIED FOR

Our Head Harness really protect. They are endorsed by the most prominent trainers in this country. All Spalding Head Harness conform exactly to Rules of Intercollegiate Association. We are the originators of the special back extension on Head Harness.



No. A



No. C

No. A. Firm tanned black leather, molded to shape, perforated for ventilation, leather sweat band and well padded. Adjustable chin strap. Presents a perfectly smooth surface, and, while giving absolute protection, is one of the coolest and lightest made. When ordering, specify size of hat worn. Each, **\$4.00** ★ \$43.20 Doz.

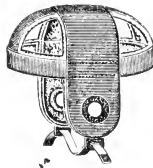
No. B. Soft black leather top and sides, soft leather ear pieces, adjustable chin strap. Top padded with felt, leather sweat band and well ventilated. Sides stitched and felt padded with canvas lining. When ordering, specify size of hat worn. Each, **\$3.00** ★ \$32.40 Doz.

No. C. Soft black leather top, well ventilated; moleskin sides and ear pieces, elastic chin strap. Nicely padded with felt, leather sweat band and substantially made. When ordering, specify size of hat worn. Each, **\$2.00** ★ \$21.00 Doz.

No. D. Brown canvas, nicely padded, but very light and cool to wear. When ordering, specify size of hat worn. Each, **\$1.00** ★ \$10.00 Doz.



No. B



No. D

## Morrill Nose Mask



None genuine which do not bear the name of Morrill and the date of patent. Made of finest rubber and no wire or metal is used in its construction. A necessity on every football team, and affords absolute protection to nose and teeth.

No. 1. Regulation style or size. Each, **50c.** ★ \$5.00 Doz.

No. 1B. Regulation style, youths' size. **50c.** ★ 5 00 "

No. O. Full size, with adjustable mouthpiece. **50c.** ★ 5 00 "

No. OB. Youths' size, adjustable mouthpiece. **50c.** ★ 5 00 "



No. 1

## Rubber Mouthpiece

No. 2. Best quality Para rubber, perfect protection to mouth and teeth.

Each, **25c.** ★ \$2.50 Doz.

No. A. Adjustable, separate, as supplied with Nos. 0 and OB Mask.

Each, **25c.** ★ \$2.50 Doz.

IN ORDERING, SPECIFY WHETHER MOUTHPIECE IS REQUIRED FOR Nos. O or OB NOSE MASK



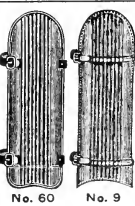
## Spalding Patented Shin Guard

PATENT APPLIED FOR



This shin guard is built to prevent contact with the sensitive shin bone, rather than to attempt to soften a blow by piling on padding. It is thoroughly ventilated, and being extremely light in weight, is the most comfortable to wear of any. Fitted with soft tanned leather fastening straps.

No. 30. Pair, **\$2.00** ★ \$21.00 Doz.



No. 60

No. 9

## Spalding Foot Ball Shin Guards

No. 30. No. 60. Black leather, backed up with real rattan reeds; felt padding; leather straps and binding. Pair, **\$1.50** ★ \$16.50 Doz.

No. 12. Made of pebbled sheepskin, well padded, black leather straps.

No. 9. Canvas, length 11 inches, with reeds.

No. 8. Canvas, length 9 inches, with reeds.

## Spalding New Improved Foot Ball Knee Pad

Made entirely of felt. Conforms with curve of the knee, and is the most effective and safest knee pad made. It is the invention of one of the most prominent foot ball trainers in the country.

No. KP. Pr., **\$2.00** ★ \$21.00 Doz.

Per pair, **\$1.00** ★ \$10.80 Doz.

.50 ★ 5.00 "

.40 ★ 4.20 "



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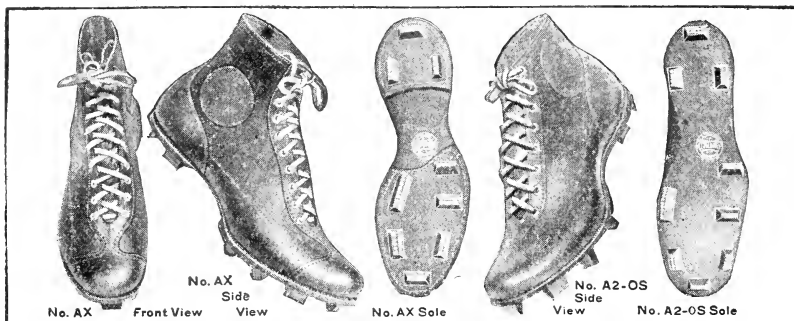


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## Spalding Foot Ball Shoes

Spalding Foot Ball Shoes are worn by the players of every college and school team of any importance in this country, and notably by the following most successful teams: Yale, Princeton, Cornell, University of Pennsylvania, Carlisle, West Point, Annapolis, Michigan, Chicago, Illinois, Wisconsin, Minnesota, Nebraska, Indiana, Iowa, California, Leland Stanford, Missouri, St. Louis, Washington, Arkansas.



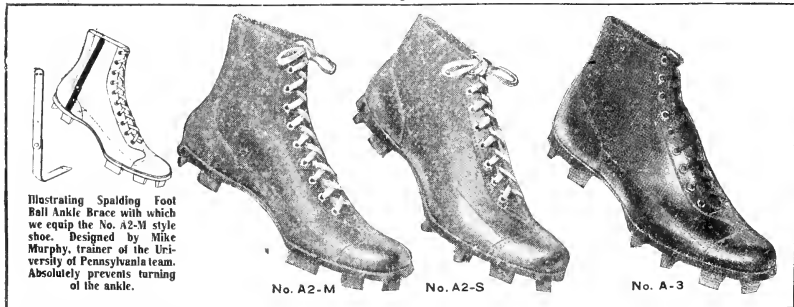
### Spalding Featherweight Shoe

No. AX. For fastest players only, *not* for general or hard usage. Finest materials throughout, hand sewed and a strictly bench made shoe. Rawhide thong laces.

Pair, **\$8.00** ★ **\$90.00 Doz.**

### Spalding Sprinting Shoe

No. A2-OS. Finest kangaroo leather. Light in weight yet strongly made. Use this style shoe instead of No. AX for ordinary play. Hand welted; a bench made shoe. Rawhide thong laces. Pair, **\$7.50**



Illustrating Spalding Foot Ball Ankle Brace with which we equip the No. A2-M style shoe. Designed by Mike Murphy, trainer of the University of Pennsylvania team. Absolutely prevents turning of the ankle.

No. A2-M

No. A2-S

No. A-3

### Spalding 'Varsity Shoe

No. A2-M. Finest black calfskin; thoroughly made. Rawhide thong laces. Pair, **\$5.50**

### Club Special Shoe

No. A2-S. Sprinting Shoe, light weight; black calfskin, good quality, very well made. Rawhide laces. **\$5.00**

### Amateur Special Shoe

No. A-3. Black calfskin, good quality, machine sewed. A very serviceable shoe. Pr., **\$3.50** ★ **\$39.00 Doz.**

## Spalding Juvenile Foot Ball Shoes

Made on our special boys' size lasts. Material and general construction similar otherwise to our regular line of men's shoes. Boys' sizes, 12 to 5, inclusive.

No. A4. Complete with leather cleats. Pair, **\$2.50**

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# Spalding New and Improved Worsted Jerseys

Following sizes carried in stock regularly in all qualities: 28 to 44 inch chest.  
Other sizes at an advanced price.

We allow two inches for stretch in all our Jerseys, and sizes are marked accordingly. It is suggested, however, that for very heavy men a size about two inches larger than coat measurement be ordered to insure a comfortable fit.



Jerseys are being used now more and more by foot ball players instead of canvas jackets. On account of the special Spalding knit, they are very durable, and at the same time they offer no restraint on the free movements of the player.

**STOCK COLORS PLAIN COLORS**—We carry in stock in all Spalding Stores our line of worsted Jerseys (NOT Nos. 12XB, 6 or 6X) in following colors:

White	Black	Maroon
Navy Blue	Gray	Cardinal

**Special Orders** We also furnish, without extra charge, on special orders only, not carried in stock and NOT supplied in Nos. 12XB, 6 or 6X, the following colors:

Orange	Dark Green	Yellow
Scarlet	Olive Green	Seal Brown
Royal Blue	Irish Green	Old Gold
Columbia Blue	Pink	Drab
Peacock Blue	Purple	

Other colors than as noted above to order only in any quality (EXCEPT Nos. 12XB, 6 and 6X), 25c. each extra.

N.B.—We designate three shades which are sometimes called RED. These are Scarlet, Cardinal and Maroon. Where RED is specified on order, Cardinal will be supplied.



Nos. 1P, 10P and 12P

No. 1P. Full regular made; that is, fashioned or knit to exact shape on the machine and then put together by hand, altogether different from cutting them out of a piece of material and sewing them up on a machine as are the majority of garments known as Jerseys. Special quality worsted. Solid colors. Each, **\$4.00** ★ \$42.00 Doz.

No. 10P. Worsted, fashioned. Solid colors. 3.00 ★ \$30.00

No. 12P. Worsted; solid colors. 2.50 ★ \$25.20

No. 12XB. Boys' Jersey. Worsted. Furnished in sizes 26 to 36 inches chest measurement only. Solid colors only: White, Navy Blue, Black, Gray and Maroon. No special orders. Each, **\$2.00** ★ \$21.00 Doz.

**SPECIAL NOTICE** We will furnish any of the above solid color Jerseys (except Nos. 12XB, 6 and 6X), with one color body and another color (not striped) collar and cuffs in stock colors only at no extra charge.

## Spalding Cotton Jerseys

No. 6. Cotton, good quality, fashioned, roll collar, full length sleeves. Colors: Black, Navy Blue, Gray and Maroon only.

Each, **\$1.00** ★ \$10.80 Doz.

No. 6X. Cotton, same as No. 6, but with striped sleeves in following combinations only: Navy with White or Red stripe; Black with Orange or Red stripe; Maroon with White stripe.

Each, **\$1.25** ★ \$13.20 Doz.

### Woven Letters, Numerals or Designs

We weave into our best grade Jerseys, No. 1P, Letters, Numerals and Designs in special colors as desired. Prices quoted on application. Designs submitted.

**PRICES SUBJECT TO ADVANCE WITHOUT NOTICE**

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## SPALDING COAT JERSEYS

Following sizes carried in stock regularly in all qualities: 28 to 44 inch chest. Other sizes at an advanced price.

We allow two inches for stretch in all our Jerseys, and sizes are marked accordingly. It is suggested, however, that for very heavy men a size about two inches larger than coat measurement be ordered to insure a comfortable fit.



Nos. 10C and 12C

The Spalding Coat Jerseys are made of the same worsted yarn from which we manufacture our better grade Jerseys, Nos. 10P and 12P, and no pains have been spared to turn them out in a well made and attractive manner. Plain solid colors (not striped); or one solid color body and sleeves, with different color solid trimming (not striped) on cuffs, collar and front edging. Pearl buttons.

**STOCK COLORS:** Solid Gray, Gray trimmed Navy, Gray trimmed Cardinal, Gray trimmed Dark Green. See list below of colors supplied on special orders.



No. 10CP

No. 10C. Same grade as No. 10P. Each, **\$3.50** ★ *\$36.00 Doz.* | No. 12C. Same grade as No. 12P. Each, **\$3.00** ★ *\$30.00 Doz.* | No. 10CP. Pockets, otherwise same as No. 10C. Ea., **\$4.00** ★ *\$42.00 Doz.*

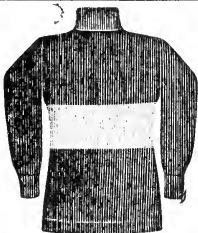
### SPECIAL ORDERS

In addition to stock colors mentioned we also supply any of the jerseys listed on this page, without extra charge, on special orders only—not carried in stock—in any of the following colors:

Gray Black Maroon Cardinal Royal Blue Peacock Blue Olive Green Pink Yellow Old Gold  
Orange White Scarlet Navy Columbia Blue Dark Green Irish Green Purple Seal Brown Drab

**PLAIN COLORS**—The above colors are supplied in our worsted jerseys (NOT Nos. 12XB, 6 or 6X) 25c, each extra.

**STRIPES AND TRIMMINGS**—Supplied as specified in any of the above colors (not more than two colors in any garment) at regular prices. Other colors to order only in any quality (EXCEPT Nos. 12XB, 6 or 6X) 25c, each extra.



Nos. 10PW and 12PW

No. 12PW. Worst; solid stock color body and sleeves with 6-inch stock color stripe around body. Colors same as No. 10PW.

Each, **\$2.75** ★ *\$30.00 Doz.*

No. 10PX. Good quality worsted, fashioned; solid stock color body, with stock color striped sleeves, usually alternating two inches of same color as body, with narrow stripes of any other stock color. Colors same as No. 10PW.

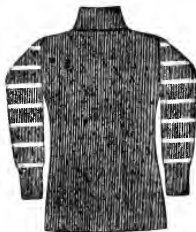
Each, **\$3.25** ★ *\$33.00 Doz.*

### SPALDING STRIPED AND V-NECK JERSEYS

No. 10PW. Good quality worsted, same grade as No. 10P. Solid color body and sleeves, with 6-inch stripe around body.

Each, **\$3.25** ★ *\$33.00 Doz.*

**Stock Colors:** Black and Orange, Navy and White, Black and Red, Gray and Cardinal, Royal Blue and White, Columbia Blue and White, Scarlet and White, Navy and Cardinal, Maroon and White. Second color mentioned is for body stripe. See list above of colors supplied on special orders.



Nos. 10PX and 12PX



No. 12PV

No. 12PV. Worst, solid stock colors, with V-neck instead of full collar as on regular jerseys. Stock colors: Navy Blue, Black, Maroon and Gray. See list above of colors supplied on special orders.

Each, **\$2.75** ★ *\$30.00 Doz.*

No. 12PX. Worst, solid color body, with striped sleeves, usually alternating two inches of same color as body, with narrow stripes of some other color. Colors same as No. 10PW.

Each, **\$2.75** ★ *\$30.00 Doz.*

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# SPALDING *Automobile* and Winter Sports SWEATER

Collar  
Turned  
Down



We allow four inches for stretch in all our sweaters, and sizes are marked accordingly. It is suggested, however, that for very heavy men a size about two inches larger than coat measurement be ordered to insure a comfortable fit.

Collar  
Turned  
Up



No. WJ. For automobilists, training purposes, reducing weight, tramping during cold weather, golfing, shooting, tobogganing, snowshoeing. High collar that may be turned down, changing it into neatest form of button front sweater. Highest quality special heavy weight worsted. Sizes 28 to 44 inches. Carried in stock in Gray only. See list below of colors supplied on special orders. Each, **\$7.50** ★ **\$81.00** Doz.

**SPECIAL ORDERS** In addition to stock colors mentioned, we also supply any of the sweaters listed on this page without extra charge, on special orders only, not carried in stock, in any of the following colors:

White	Maroon	Purple	Navy	Olive Green
Black	Scarlet	Yellow	Royal Blue	Irish Green
Gray	Cardinal	Orange	Columbia Blue	Dark Green
Drab	Pink	Old Gold	Peacock Blue	Seal Brown

**SPECIAL NOTICE**—Solid color sweaters with one color body and another color (not striped) collar and cuffs furnished in any of the colors noted, on special order at no extra charge.

**PLAIN COLORS**—Sweaters on this page are supplied in any of the colors designated, at regular prices. Other colors to order only in any quality, 50c. each garment extra.

N.B.—We designate three shades which are sometimes called RED. These are Scarlet, Cardinal, Maroon. Where RED is specified on order, we supply Cardinal.

## SPALDING "HIGHEST QUALITY" SWEATERS

Worsted Sweaters. Special quality wool, exceedingly soft and pleasant to wear. Full fashioned to body and arms and put together by hand, not simply stitched up on a machine as are the majority of garments sold as regular made goods.

All made with 9-inch collars; Sizes 28 to 44 inches

No. AA. The proper style for use after heavy exercise, inducing copious perspiration, for reducing weight or getting into condition for athletic contests. Particularly suitable also for Foot Ball and Skating. Heaviest sweater made. Carried in stock in White, Navy Blue, Black, Gray, Maroon and Cardinal. See list above of colors supplied on special orders.

Each, **\$8.00** ★ **\$84.00** Doz.

No. A. "Intercollegiate." Colors same as No. AA. Special weight.

Each, **\$6.00** ★ **\$66.00** Doz.

No. B. Heavy weight. Colors same as No. AA.

Each, **\$5.00** ★ **\$54.00** Doz.



Shaker Sweater



Sizes 30 to 44 in.

Good quality all wool sweater, well made throughout.

No. 3. Standard weight, slightly lighter than No. B. Colors same as No. AA.

Each, **\$3.50** ★ **\$39.00** Doz.



Front View

**Spalding Combined Knitted Muffler and Chest Protector**



Back View

No. M. Special weight; Highest quality worsted. Colors as No. AA sweater. **\$1.00**

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## Spalding Indoor Exercising Sweater



For Squash, Racquets, Indoor Tennis and other Athletic Games and exercising indoors. Light weight, soft finish, finest quality worsted. Made from pure imported Shetland wool.

Three sizes:

Small, to fit from 34 to 36 in.  
Medium, to fit from 38 to 42 in.  
Large, to fit from 44 to 46 in.

Furnished in Gray or White only.

No. IX. Each, **\$4.00**

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## Spalding Jacket Sweaters

### BUTTON FRONT

No. **VG.** Best quality worsted, heavy weight, pearl buttons. Carried in stock in Gray and White only. See list below of colors supplied on special orders.

Each, **\$6.00** ★ **\$66.00** Doz.

No. **DJ.** Fine worsted, standard weight, pearl buttons, fine knit edging. Carried in stock in Gray and White only. See list below of colors supplied on special orders.

Each, **\$5.00** ★ **\$54.00** Doz.

### WITH POCKETS

No. **VGP.** Best quality worsted, heavy weight, pearl buttons. Carried in stock in Gray or White only. See list below of colors supplied on special orders. With pocket on either side and a particularly convenient and popular style for golf players.

No. **VGP**



No. **VG.** Showing special trimmed edging and cuffs supplied, if desired, on jacket sweaters at no extra charge.



Each, **\$6.50** ★ **\$69.00** Doz.

### SPECIAL ORDERS

In addition to stock colors mentioned, we also supply any of the sweaters listed on this page (except Nos. 3J, CDW and 3JB), without extra charge, on special orders only, not carried in stock, in any of the following colors:

WHITE  
ORANGE  
BLACK

CARDINAL  
MAROON  
SCARLET

PINK  
NAVY BLUE  
ROYAL BLUE

COLUMBIA BLUE  
PEACOCK BLUE  
DARK GREEN

OLIVE GREEN  
IRISH GREEN  
PURPLE

YELLOW OLD GOLD  
SEAL BROWN  
DRAIN

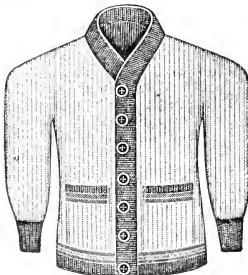
**SPECIAL NOTICE**—We will furnish any of the solid color sweaters listed on this page with one color body and another color (not striped) collar and cuffs in any of the above colors on special order, at no extra charge. This does not apply to the Nos. 3J or 3JB Sweaters.

## SPALDING SPECIAL JACKET SWEATERS

No. **CDW.** Good quality worsted, ribbed knit. Carried in stock in Gray only. Supplied on special orders in Navy Blue or White only. Trimmed edging and cuffs in colors as noted above on special orders only.

Each, **\$5.00** ★ **\$54.00** Doz.

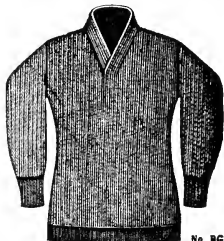
**Boys' Jacket Sweater**



No. **CDW**

No. **3J.** Standard weight, Shaker knit, pearl buttons. Carried in stock and supplied only in Plain Gray. Each, **\$3.50** ★ **\$39.00** Doz.

**Spalding Vest Collar Sweater**



No. **BG**

No. **3JB.** Boys' jacket sweater, with pearl buttons; furnished only in sizes from 30 to 36 inches chest measurement. Carried in stock and supplied only in Plain Gray. Each, **\$3.00** ★ **\$33.00** Doz.

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# Standard Policy

A Standard Quality must be inseparably linked to a Standard Policy.

Without a definite and Standard Mercantile Policy, it is impossible for a manufacturer to long maintain a Standard Quality.

To market his goods through the jobber, a manufacturer must provide a profit for the jobber as well as the retail dealer. To meet these conditions of Dual Profits, the manufacturer is obliged to set a proportionately high list price on his goods to the consumer.

To enable the glib salesman, when booking his orders, to figure out attractive profits to both the jobber and retailer, these high list prices are absolutely essential; but their real purpose will have been served when the manufacturer has secured his order from the jobber, and the jobber has secured his order from the retailer.

However, these deceptive high list prices are not fair to the consumer, who does not, and, in reality, is not ever expected to pay these fancy list prices.

When the season opens for the sale of such goods, with their misleading but alluring high list prices, the retailer begins to realize his responsibilities, and grapples with the situation as best he can, by offering "special discounts," which vary with local trade conditions.

Under this system of merchandising, the profits to both the manufacturer and the jobber are assured; but as there is no stability maintained in the prices to the consumer, the keen competition amongst the local dealers invariably leads to a demoralized cutting of prices by which the profits of the retailer are practically eliminated.

This demoralization always reacts on the manufacturer. The jobber insists on lower, and still lower, prices. The manufacturer in his turn, meets this demand for the lowering of prices by the only way open to him, viz.: the cheapening and degrading of the quality of his product.

The foregoing conditions became so intolerable that, ten years ago, in 1899, A. G. Spalding & Bros. determined to rectify this demoralization in the Athletic Goods Trade, and inaugurated what has since become known as "The Spalding Policy."

The "Spalding Policy" eliminates the jobber entirely, so far as Spalding Goods are concerned, and the retail dealer secures his supply of Spalding Athletic Goods direct from the manufacturer under a restricted retail price arrangement by which the retail dealer is assured a fair, legitimate and certain profit on all Spalding Athletic Goods, and the consumer is assured a Standard Quality and is protected from imposition.

The "Spalding Policy" is decidedly for the interest and protection of the users of Athletic Goods, and acts in two ways:

FIRST—The user is assured of genuine Official Standard Athletic Goods, and the same fixed prices to everybody.

SECOND—As manufacturers, we can proceed with confidence in purchasing at the proper time, the very best raw materials required in the manufacture of our various goods, well ahead of their respective seasons, and this enables us to provide the necessary quantity and absolutely maintain the Spalding Standard of Quality.

All retail dealers handling Spalding Athletic Goods are required to supply consumers at our regular printed catalogue prices—neither more nor less—the same prices that similar goods are sold for in our New York, Chicago and other stores.

All Spalding dealers, as well as users of Spalding Athletic Goods, are treated exactly alike, and no special rebates or discriminations are allowed to anyone.

Positively, nobody; not even officers, managers, salesmen or other employes of A. G. Spalding & Bros., or any of their relatives or personal friends, can buy Spalding Athletic Goods at a discount from the regular catalogue prices.

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A. G. SPALDING & BROS.

By *A. G. Spalding*  
PRESIDENT.



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An article that is universally given the appellation "**Standard**" is thereby conceded to be the Criterion, to which are compared all other things of a similar nature. For instance, the Gold Dollar of the United States is the Standard unit of currency, because it must legally contain a specific proportion of pure gold, and the fact of its being Genuine is **guaranteed** by the Government Stamp thereon. As a protection to the users of this currency against counterfeiting and other tricks, considerable money is expended in maintaining a Secret Service Bureau of Experts. Under the law, citizen manufacturers must depend to a great extent upon Trade-Marks and similar devices to protect themselves against counterfeit products—without the aid of "Government Detectives" or "Public Opinion" to assist them.

Consequently the "Consumer's Protection" against misrepresentation and "inferior quality" rests entirely upon the integrity and responsibility of the "**Manufacturer**."

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The necessity of upholding the guarantee of the Spalding Trade-Mark and maintaining the Standard Quality of their Athletic Goods, is, therefore, as obvious as is the necessity of the Government in maintaining a Standard Currency.

Thus each consumer is not only insuring himself but also protecting other consumers when he assists a Reliable Manufacturer in upholding his Trade-Mark and all that it stands for. Therefore, we urge all users of our Athletic Goods to assist us in maintaining the Spalding Standard of Excellence, by insisting that our Trade-Mark be plainly stamped on all athletic goods which they buy, because without this precaution our best efforts towards maintaining Standard Quality and preventing fraudulent substitution will be ineffectual.

Manufacturers of Standard Articles invariably suffer the reputation of being high-priced, and this sentiment is fostered and emphasized by makers of "inferior goods" with whom low prices are the main consideration.

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We know from experience that there is no quicksand more unstable than poverty in quality—and we avoid this quicksand by Standard Quality.

*A. G. Spalding & Bros*

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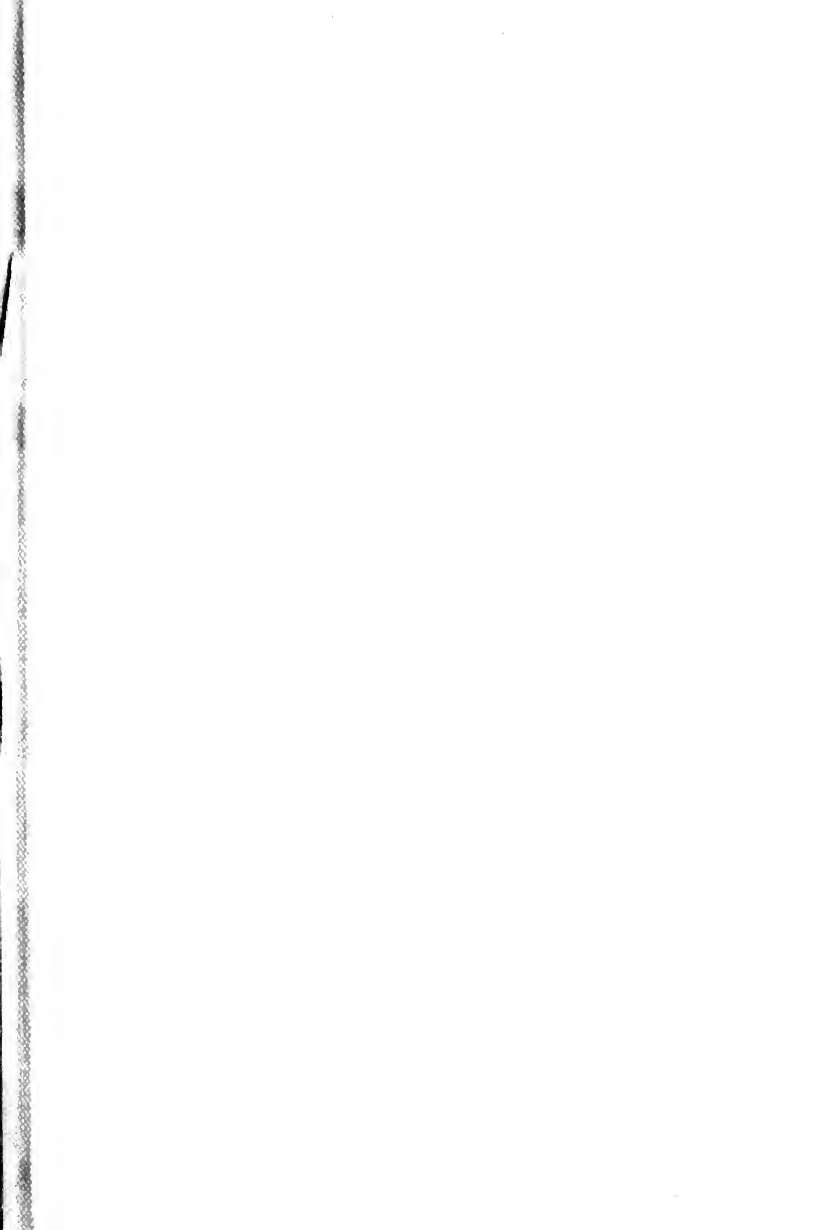
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